

ANNUAL METEOROLOGICAL
SUMMARY

1960

*Cal. Av. Precip
16.87*

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1981

LONG TERM RECORDS

1885- -1960

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CALGARY

ALBERTA

Prepared by

AVIATION FORECAST OFFICE
MUNICIPAL AIRPORT
CALGARY -- ALBERTA

UDC : 551.506.1 (712.33)
551.506.3 (712.33)

ANNUAL METEOROLOGICAL FOREWORD LONG TERM RECORDS

CALGARY - ALBERTA

This publication is another in the regular series of Annual Meteorological Summaries, but for complete details it should be used in conjunction with the Monthly Meteorological Summaries.

In keeping with recent international recommendations, in order that normals be more representative of actual weather trends they are now being computed on the basis of the last three complete decades and in many cases these new computations have been shown in this volume.

The services of Mr. Charles Pickering, who formerly compiled these summaries but who retired on superannuation during 1960, Mr. C. B. Wilson who has carried on this work and computed the thirty-year tables, and Miss M. V. Krigovsky who typed the plates are gratefully acknowledged.

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Meteorological Office,
Calgary, Alberta.
January 1961.

A. F. McQuarrie,
Officer in Charge.

LONG TERM RECORDS

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CALGARY - ALBERTAH I S T O R YHISTORICAL DATA 1876 - 1960:

- 1876 The first actual meteorological observations for Calgary appear to have been taken in 1876 by the North West Mounted Police shortly after their arrival here, the station being classified as "Class 2" which at the time was defined as "a station where records are kept of the direction and speed of the wind, the amount of rain and the general state of the weather with notices of miscellaneous phenomena; observations to be made two or three times a day".
- 1877 Under the supervision of Colonel Macleod, Commander of the Mounted Police, Fort Calgary was considered to be of sufficient importance to have some additional instruments installed and replacements obtained for old ones.
- 1882 The first official inspection was made by Professor McLeod, and Mr. H. V. Payne, of Head Office. This visit was made for the purpose of checking instruments and to perfect the arrangements at the Station. This year Telegraphic reports were instituted for the first time and this greatly added to the work of observations at Calgary.
- 1889 It is noted at this time that the instruments in use were the barometer, thermometers and rain gauge. The Meteorological Services were now under the Minister of Marine and Fisheries. The official observer was Mr. H. F. Cayley.
- 1895 The official observer became Mr. T. O. O'Brien.
- 1900 The Calgary station was now classed as an Experimental Station, as well as a second class Meteorological Station and a Telegraphic Station. The observer was Mr. T. A. Bradun, and the observations were taken at his home 704 - 12th Avenue South West.
- 1912 The Meteorological Station was moved to 1801 - 9th Street South West, the home of the observer, who it should be noted was paid at the rate of five hundred dollars per annum.
- 1918 Dr. J. Patterson began extensive work with balloonsondes at Calgary using helium in these trials which he continued until 1925. This formed the basis for the balloon ascent programme which was later established as a regular part of the Canadian Meteorological programme.
- 1921 In September of this year the Calgary Weather Station was moved to 1533 - 16th Avenue South West, 5 blocks West of the former position. Mr. Hartshorn was the observer.

- II -

- 1931 This year might be termed the transitional period of the observing station at Calgary. The Station was moved to the old Municipal Airport on the North East Hill, where a somewhat more extensive observational program was instituted. Teletype communications were used for the first time on a twenty four hour schedule. The open exposure at this station was a great improvement on the previous locations in the valley of the Bow River.
- 1938 The station was moved to the New Municipal Airport which was constructed two and one half miles North of the old Airport to take care of the Trans-Canada Airlines Service which was being inaugurated.
- 1939 The British Empire Air Training Plan was instituted and Calgary became the centre of one of the most thickly concentrated areas of Flying Training Schools in the West.
- 1948 The Station was moved to a new location on the Airport one half mile West of the former position. With the rerouting of Trans-Canada Airlines main line operations through Calgary, the Station was upgraded to an Aviation Forecast Office to render forecast services to the scheduled airlines as well as other aircraft operators. A Climatological section was established at this time.
- 1956 THE PRESENT LOCATION:

The Station moved into the new Ultra Modern Administration Building 300 feet North of the old site. The New Offices are considered to be amongst the finest of their type in Canada. As well as being equipped with first class instruments and facilities generally, the office is now a link in the Canadian Weatherfax System which is equipped with the most modern Facsimile equipment available. The Pilot Balloon Shelter is equipped with a rotating fibre-glass dome and is heated, thus permitting Balloon Observations under the most adverse conditions without discomfort to the Observers.

TOPOGRAPHY and LOCAL WEATHER:

The Calgary Aviation Forecast Office is located on the South Side of Municipal Airport at Latitude 51.06 North and 114.01 West. Altitude is 3540 feet M.S.L. and is approximately 4 miles North Northeast of the City Centre. The Airport is surrounded by rolling ground which falls away to the valley of the Nose Creek immediately West of the field, and then rises sharply to the crest of Nose Hill which has an elevation of 500 feet higher than the Airport. This is the first of the foothills to the "Rockies" which are 45 miles distant West.

The rising ground to the West has a noticeable effect on weather conditions. With a circulation between North and South-East "Upslope" conditions frequently occur over South-Western Alberta. Essentially this is low overcast cloud with variable precipitation. In the case of Calgary, Nose Hill accentuates this effect. Conversely a circulation between South and North Northwest will generally dissipate low cloud. Nose Hill also tends to deflect winds from a Westerly direction, hence, Westerly winds recorded at Calgary are not entirely representative of the region as a whole.

C L I M A T E:

Calgary (Lat. 51.06°) is situated 45 miles East of the Rockies. The climate is classed as "Cold Temperate", but due to the influence of "Chinook Winds" over the mountains, most winters are modified considerably. In winter the "Chinook" is the most striking feature of the weather in this region resulting in spectacular changes from bitter cold to comparative warmth---it is not unusual for the temperature to rise 30 degrees in one hour and a temperature range of 60 degrees in one day has been recorded. The frequency of the "Chinook" is responsible for the variable nature of the winters in this area. An example is the winter of 1930-31, which had a mean temperature of 32°F, while the winter of 1949-50 had a mean temperature of 4°F. The normal winter mean is 17°F. Low temperatures of -30°F occur on an average of two days each winter and temperatures of -40°F or under have occurred on only 9 days since 1900.

The summers are usually pleasant and cool when compared to the hot dry summers of the Prairies to the East. Temperatures higher than 90 degrees have been recorded 36 times in the last 30 years, but only 2 times in the last 10 years. Calgary's high elevation (3500 feet M.S.L.) is largely responsible for the cool summer nights. The average summer minimum is 46 degrees. Calgary's high elevation is also the reason for the relatively short average frost free period of 109 days (1931 - 1960).

Calgary has an annual average precipitation of 16.87 inches of which 5.03 inches (50.3 inches) is snow. Seventy percent of the annual rainfall occurs in the growing season and is sufficient to assure a good crop. June has the heaviest rainfall with an average of 3.20 inches. January has the lowest average precipitation with 5.4 inches of snow (.54). Rain is of a showery nature in July and August. July is the month of maximum thunderstorm and hail activity. Snowfalls rarely exceed 6 inches and a depth of 12 inches on the ground occurs once in 10 years. The highest average wind speed of 11 miles per hour occurs in April and May. The remainder of the year the average speed is 9 to 10 miles per hour. Fifty-four percent of the winds are from the North West quadrant with 18 percent each from the West, Northwest and North.

Calgary's average sunshine of 6 hours daily is one of the highest in the West. July has a high average of 10 hours per day while the month of January has a daily average of 3.4 hours of bright sunshine.

CALGARY - ALBERTA

LATITUDE 51° 06' - LONGITUDE 110° 01'I N S T R U M E N T A T I O N :

1. 3 Cup Anemometer and Anemovane: - For measuring wind speed and direction mounted on mast 21 feet above roof of the Tower and 67 feet above ground level.
2. Dynes Anemometer: - Used to observe variations in wind speed and gustiness. Located 21 feet above the roof of the Tower and 67 feet above ground level.
3. Barometer - Kew Mercurial: - Used for measuring atmospheric pressure. Mounted in a wooden case with hinged lid for protection from drafts and Sunshine. The top of the mercury in the cistern of the Barometer is 3548.3 feet above mean sea level. (Established elevation: 3540 feet above sea level). Special tables for the instrument incorporate all corrections.
4. Micro-Barograph: - Used for the characteristic of pressure changes, located next to the mercurial barometer.
5. Rain Gauge, Ordinary: - Located in grass area approximately 50 feet North of Terminal Building. Rim of rain gauge 12 inches above ground.
6. Rain Gauge Recording: - Located close to ordinary. Used for recording intensity of fall. Height of rim of rain gauge 18 inches above ground.
7. Nipher Snow Gauge: - Located in grass area 18 feet West of Rain Gauge. Height of rim of snow gauge 61 inches above ground. Used for determining the water-equivalent of snow.
8. Thermometers: - Located in Stevenson screens set in a grass area 60 feet from the Office.
 - (a) Dry Bulb (mercury) Thermometer. Correction applied.
 - (b) Wet Bulb (mercury) Thermometer. Correction applied.
 - (c) Maximum (mercury) Thermometer. Correction applied.
 - (d) Minimum (Spirit) Thermometer. Correction applied.
 - (e) Thermograph - Bimetallic Thermometer which records continuous temperature on a chart.
9. Hygrograph: - Hair Hygrometer for recording relative humidity, is located in Stevenson Screen. (Relative humidity figures in these summaries are computed from Wet and Dry Bulb Temperatures).
10. Sunshine Recorder: - Located on roof on Terminal Building with complete range of Sun's rays at all times.
11. Ceiling projector (Vertical Beam): - Base line 1000 feet South of Alidade located on roof of Administration Building on cat walk South west corner of Tower.

THE YEAR 1960:

The year 1960 was Sunny, Warm, Dry and Windy. The extreme Maximum Temperature of 93 degrees occurred on July 23rd, this has been exceeded on 24 days in the last thirty years.

The Mean Maximum Temperature was 50.5 degrees, which is 0.2 degrees below the 1921 - 1950 normal.

The extreme Minimum Temperature for the year was 26 degrees below zero, and this occurred on March 2nd.

The Mean Minimum Temperature for the year is 28.1 Degrees, which is 0.9 degrees above the 1921 - 1950 normal.

The Annual Mean Temperature was 39.1 degrees, which is 0.1 degree above normal with February, April, July, September, October and December being above normal, and January, March, May, June, August and November below normal.

There were 2408.9 hours of bright sunshine, which is a new record, exceeding the previous record established in 1929 by 25.7 hours.

Precipitation consisted of 56.5 inches of snow and 9.45 inches of rain, giving accumulated total precipitation of 14.65 inches which is 2.82 inches below the 30 year normal. Only January, February, May and December had above normal precipitation.

Prevailing winds were Northwesterly with a mean speed of 10.5 miles per hour, which is 0.9 mile per hour above normal.

Aircraft Operational weather was above Instrument Operational Limits 99.1 percent, and above Visual Flight Limits 96.2 percent of the time.

A FEW OF THE HIGHLIGHTS - WEATHERWISE IN 1960 FOLLOWS:

- January 28th - A Chinook Wind caused the temperature to rise from 9 degrees below to 46 degrees above zero.
- February - There were 13 days with measurable snow, giving an accumulated total of 12.3 inches which is 5.8 inches above normal.
- February 23rd - Longest and coldest period of the year commenced with minimum temperature of 16 degrees below zero.
- March - - The first 13 days of March were below normal.
- March 2nd - New date low minimum -26°F. Previous date low minimum -20°F recorded 1904.
- March 3rd - New date low minimum -17°F. Previous record -16°F in 1955.
- April 26, 27, 28th - Very cold with a minimum of 14 F on 27th coinciding with all time date minimum.
- May 12th - New date extreme maximum 81°F. Previous date record maximum 80°F in 1917.
- June 16th & 25th - Thunder and Hailstorms with hail up to walnut size.
- July 3, 15 & 20th - Thunder and Hailstorms occurred in Calgary and District.
- August - There were 8 Thunderstorms which is 3 above normal.
- September 23rd - Thunderstorm accompanied by rain and hail.
- October 8th - Cloudy and cool with .16 inch rain and 4.7 inches of snow.
- November 6th - Much above normal with maximum of 70°F which is one degree below the date maximum recorded in 1949.
- November 26, 27 & 28th - Very cold with minimum temperature 7 degrees below zero recorded on the 27th.
- December 20th - Minimum temperature 17 degrees below zero.

J A N U A R Y:

January was sunny with mean temperature falling 1.2 degrees below the 30 year normal of 15.8 degrees. Temperature ranged from 12 degrees below at the beginning of the month to 46 degrees above on the 30th.

There were 128.6 hours of bright sunshine, giving 23.2 hours above the 37 years normal sunshine.

Total precipitation (all snow) was .78 inch water equivalent, occurring on January 2nd, 3rd, 4th, 8th, 24th and 25th.

The average wind speed of 10 miles per hour was .1 above normal. Chinook conditions prevailed for more than half the month. Maximum gust was 50 miles per hour on the 30th.

F E B R U A R Y:

February had two cold periods having minimum temperatures below zero. The lowest temperature occurred on February 23rd, but the mean temperature of 17.6° F was .3 degree above normal. Please note, total degree days for February is for 29 days and therefore shows a high total.

Winds were prevailing Northerly with mean speed of 10.2 miles per hour, which is 1.1 miles per hour above normal. Maximum gust of 56 miles per hour occurred on the 7th.

There were 3 days without sunshine and 125.3 hours of bright sunshine which was .6 hours above the 37 years normal.

M A R C H:

March was divided into two periods with a marked temperature change; the first two weeks being 20 degrees below normal and the last two weeks 12 degrees above. The resultant mean temperature of 22.4 degrees was 3.8 degrees below the 30 years normal.

The total precipitation was .23 inch, consisting of 2.2 inches of snow and .01 of an inch of rain, nearly .9 of an inch below average.

The prevailing wind direction was Southerly while the average speed for the month was 9.9 miles per hour.

There were 163.6 hours of bright sunshine as opposed to the 37 years normal of 153.9 hours.

A P R I L:

The monthly mean temperatures were slightly above normal, even though they were much below for period April 21 to 29th inclusive. The extreme temperatures which equalled the 61 years extremes for the days indicated were the maximum of 68 degrees on the fourth and the minimum of 14 degrees on the 27th.

Precipitation, mainly snow, was .07 of an inch below normal for April.

Total hours of sunshine exceeded normal by 22.7 hours or 11.2 percent.

Average wind speed was 0.9 miles per hour above normal. Peak gust was South West 65 miles per hour on the 14th.

M A Y:

May was a cold month with mean temperatures falling below normal. During the one warm period, from 11th to 13th inclusive, a new date extreme maximum of 81 degrees was recorded on May 12th. A new all time date minimum of 26 degrees was recorded on the 23rd of May.

Precipitation for the month was .14 of an inch above normal with only .4 of an inch of snow.

There was 247.0 hours of bright sunshine, which is 6.0 hours above average.

Mean wind speed exceeded normal by 1.1 mile per hour, with the strongest gust West 51 miles per hour on the 31st of May.

J U N E:

June temperature wise was near normal with the mean temperature being less than one degree below normal.

There were 17 days with measurable precipitation generally consisting of rain showers sometimes accompanied by thunder and hail up to walnut size, giving a total of 3.39 inches which is only .09 on an inch below normal.

Sunshine for the month of June was 32.2 hours above normal with the total of 269.4 hours.

Prevailing winds were North Westerly with a mean speed of 12.3 miles per hour exceeding normal by 2.6 miles per hour. Maximum gust for the month was West 55 miles per hour on June 16th.

J U L Y:

July mean temperature was 3.4 degrees above normal.

There were 370.0 hours of bright sunshine which is 55.2 hours above normal.

Precipitation was .73 of an inch below 30 year normal of 2.41 inches, with a few severe hailstorms, in the district, with hailstones ranging from pea size to 2 inches in diameter.

Prevailing wind was Northwesterly with a mean speed of 9.5 miles per hour and maximum gust of 53 miles per hour occurring on July 23rd.

A U G U S T:

August mean temperature was only .5 degrees below normal, even though the mean maximum was 2.2 degrees subnormal because the mean minimum was 1.3 degrees above the 30 years normal of 46.0 degrees.

Precipitation was also .32 on an inch subnormal with only 1.64 inches. No hail was reported at the station during the month.

Mean wind speed was 10.8 miles per hour, which is 2.2 miles per hour above normal. The maximum gust, West 48 miles per hour occurred on the 17th.

Sunshine was 5.4 hours above the 37 years normal with a total of 270.9 hours for the month.

Sunshine for the month was 33.4 hours above normal with a total of 270.9 hours, which is only 2.8 hours below the all time December record.

Prevailing winds were Northerly with an average speed of 8.6 miles per hour, which is 1.1 mile per hour below normal. The strongest gust West North West 48 miles per hour occurred on the 11th at 7 A.M.

SEPTEMBER:

September mean maximum temperature of 66.6 degrees was 2.2 degrees above normal and the mean minimum temperature of 38.4 degrees was 0.6 degree below normal. The resultant mean temperature was 0.7 degree above normal.

There were 6 days on which precipitation fell, giving .46 of an inch of water, all rain excepting a trace of snow. The precipitation for the month was .93 of an inch rain and 4.0 inches of snow below the 30 years normal.

The prevailing wind was Northwest at 10 miles per hour, which is .6 miles per hour above normal. The strongest gust West 54 miles per hour occurred on the 5th of September.

The 217.8 hours of bright sunshine is 35.7 hours above the 37 years normal.

OCTOBER:

October was a warm and dry month with temperatures and mean wind above normal.

Total preceipitation was .11 of an inch below normal, while the snowfall which occurred during 3 days was .4 on an inch above normal.

There were 150.5 hours of bright sunshine which is 12.5 hours below the 37 years normal.

NOVEMBER:

November Maximum, Minimum and Mean Temperatures were 2 degrees below normal, due to two cold periods from November 8th to 13th and 21st to 28th.

Precipitation was also below normal; there being only 6.1 inches of snow, giving .50 of an inch of water equivalent as measured by the Nipher Snow Gauge.

Prevailing wind direction was Southwest, with a mean speed of 9.8 miles per hour, which is .7 mile per hour above normal. Maximum gust was West 57 miles per hour on 18th.

There were 118.0 hours of sunshine, which is 5.1 hours in excess of the 37 years normal.

DECEMBER:

December was sunny and warm with mean temperature of 23.6 degrees, which is 4.8 degrees above normal.

The mean minimum temperature was 34.7 degrees, which exceeded normal 5.7 degrees. The extreme maximum temperature 52.6 degrees occurred on the 13th.

The mean minimum was 12.6 degrees, which is 3.9 degrees above normal and the extreme minimum for the month was 16.8 degrees below zero, occurring on December 20th.

Precipitation consisted of 10.3 inches of snow and a trace of rain, with total water equivalent of .69 of an inch which is .07 of an inch above normal.

Sunshine for the month was 33.4 hours above normal with a total of 130.2 hours, which is only 2.8 hours below the all time December record.

Prevailing winds were Northerly with an average speed of 8.6 miles per hour, which is 1.1 mile per hour below normal. The strongest gust West Northwest 58 miles per hour occurred on the 11th at 7 A.M.

BAROMETRIC PRESSURE:

Annual Mean Station Pressure - 889.7 Millibars (26.27 inches).
Highest Station Pressure - 911.9 Millibars (26.93 inches) - December 20th.
Lowest Station Pressure - 863.4 Millibars (25.50 inches) - November 25th.

TEMPERATURE:

Greatest Daily Range - 54.6 degrees on January 28th.
Least Daily Range - 2.0 degrees on February 25th.
Highest Mean Temperature for 3 consecutive days: - 73.0 degrees on July 16th, 17th and 18th.
Lowest Mean Temperature for 3 consecutive days: - -10.7 degrees on February 29th, March 1st and 2nd.
Longest Cold Spell: - February 17th to March 13th inclusive.
Mean Temperature 5.4 degrees.
Longest Warm Spell: - July 5th to July 19th inclusive.
Mean Temperature 68.3 degrees.

PRECIPITATION:

RAIN: - Greatest 24 Hours Fall - .77 of an inch on May 17th.
Longest period with continuous measurable precipitation: - Snow on April 23rd, 24th and 25th.

SNOW: - Greatest 24 hour fall - 5.5 inches on April 24th.
Greatest Depth on Ground: 8 inches on January 4th and 5th.
Last Spring Snowfall - .3 of an inch on May 2nd.
First Autumn Snowfall - .6 of an inch on November 9th.

HAIL: - May 1st, June 16th and 25th, July 15th and 20th, September 23rd.

FROST: - Last Frost in Spring - May 25th.
First Frost in Autumn - September 21st.
Frost Free Period - 118 days.

WIND: - Prevailing Direction by Hours - North West.
Prevailing Direction by Miles - West.

SUNSHINE: - Total Hours - 2408.9 - (Normal for 30 years 1931-1960: 2168.2).

THUNDERSTORMS: - April 15th, May 1st, June 3, 11, 16, 19, 24, 25, 28th and 29th, July 1, 3, 10, 15, 16, 19, 20, 21st and 23rd, August 1, 4, 6, 11, 12, 14, 19th and 20th, September 23rd.

FREEZING RAIN & DRIZZLE: - March 21, 27th and 28th.
November 24th.
December 22nd.

GROWING DEGREE DAYS ABOVE 42°F: - Total 2388 Degrees - (Normal 2422 Degrees)

AURORA: - Total 24.

F O G: - 15 Days.

BLOWING SNOW: - 4 Days

BLOWING DUST: - 2 Days

SMOKE: - 15 Days.

U N I T S

Throughout this summary the following units are used:

- Temperature: - Degrees Fahrenheit.
 Relative Humidity: - Percentage
 Wind Speed: - Miles per hour.
 Wind Direction: - Direction from which the wind is blowing.
 Degree - Day: - Difference of days' mean temperature from 65°F.
 Pressure: - Millibars.
 Precipitation: - Inches (10" of snow is considered the equivalent of 1" of rain). Beginning November 1, 1960, total precipitation is computed by adding rainfall in inches to the water equivalent of the snowfall (obtained by melting).

MONTHLY and ANNUAL MEANS and EXTREMES - 1960

Month	T E M P E R A T U R E							Total Degree Days	M E A N RELATIVE HUMIDITY			
	M E A N			E X T R E M E					05:00 MST	11:00 MST	17:00 MST	23:00 MST
	Maximum	Minimum	Mean from 24 - Hour Readings	Maximum	D a t e	Minimum	D a t e					
Jan.	24.8	5.5	14.6	46.0	28-30	-12.3	3	1562	73	70	72	73
Feb.	26.3	8.6	17.6	44.6	1	-15.9	23	1374	79	75	76	80
March	32.9	13.0	22.4	59.5	20	-25.5	2	1318	79	68	68	78
April	51.8	28.5	40.1	67.5	4	13.9	27	746	69	41	34	60
May	59.0	36.8	47.8	81.9	10	26.3	23	550	76	45	41	63
June	67.1	44.6	55.3	76.4	10-12	37.3	1	290	74	51	43	69
July	79.4	51.7	65.8	92.9	18	39.6	24	64	77	48	38	65
Aug.	71.5	47.3	59.3	85.0	10	36.1	24-25	188	75	50	42	67
Sept.	66.6	38.4	52.3	86.2	3	26.7	26	381	72	44	37	60
Oct.	56.3	33.5	44.5	78.2	6	20.2	30	636	66	54	46	61
Nov.	35.9	16.1	25.8	70.0	6	-6.7	27	1177	71	64	64	67
Dec.	34.7	12.6	23.6	52.6	13	-16.8	20	1283	68	66	70	70
Year	50.5	28.1	39.1	92.9	July 18	-25.5	Mar. 2	9569	73	56	53	68

P R E C I P I T A T I O N

Month	Rain	Freshly Fallen Snow	Total Precipitation	GREATEST RAINFALL				GREATEST SNOWFALL			
				6 Hrs.	Date	24 Hrs.	Date	6 Hrs.	Date	24 Hrs.	Date
Jan.	--	7.8	.78	--	--	--	--	1.6	24	2.2	3
Feb.	--	12.3	1.23	--	--	--	--	1.9	24	3.3	24
March	.01	2.2	.23	.01	26	.01	26	.5	8	.9	8
April	TR	11.9	1.19	TR	9, 21, 30	TR	9, 21, 30	2.0	24	5.5	24
May	2.04	.4	2.08	.51	17	.77	17	.3	2	.3	2
June	3.39	--	3.39	.61	25	.73	28	--	--	--	--
July	1.68	--	1.68	.66	20	.70	20	--	--	--	--
Aug.	1.64	--	1.64	.33	6	.38	6	--	--	--	--
Sept.	.46	TR	.46	.14	23	.14	23	TR	23	TR	23
Oct.	.23	5.5	.78	.16	8	.16	8	4.5	8	4.7	8
Nov.	TR	6.1	.50	TR	1-24	TR	1-24	1.7	20	3.0	20
Dec.	TR	10.3	.69	TR	22-28	TR	22-28	4.4	18	5.0	18
Year	9.45	56.5	14.65	.66	July 20	.77	May 17	4.5	Oct. 8	5.5	Apr. 24

DATA FOR 1960

S U N S H I N E				W I N D								
M o n t h	Duration (Hours)	Percentage of Possible Sunshine	No. of Days Without Sunshine	Average Speed	Prevailing Direction (By Hours)	Prevailing Direction (By Miles)	MAXIMUM (For 1 Hour)					
							Direction and Speed	Date	Highest Gust and Direction	Date		
Jan.	128.7	44	4	10.0	W	W	W 37	30	50	WSW	30	
Feb.	125.3	43	4	10.2	N	N	W 40	7	56	W	7	
March	163.6	44	2	9.9	S	S	W 36	16-17	51	WSW	16	
April	217.5	53	1	12.0	W	W	W 37	14	65	W	14	
May	247.0	51	0	12.1	W	W	N 38	18	51	W	31	
June	269.4	55	0	12.3	NW	NW	W 38	16	55	W	16	
July	370.0	75	0	9.5	NW	NW	NW 35	23	53	NNW	23	
Aug.	270.9	60	0	10.8	NW	W	SE 30	21	48	W	17	
Sept.	217.8	57	0	10.0	NW	NW	W 35	5	54	W	5	
Oct.	150.5	45	2	11.0	W	W	W 35	15	52	W	15	
Nov.	118.0	45	5	9.8	SW	W	NW 39	7	48	NW	7	
Dec.	130.2	52	2	8.6	NW	W	NW 40	14	58	WNW	11	
Year	2408.9	54	20	10.5	NW	W	W 40 NW 40	Feb. 7 Dec.14	65	W	April 14	

S T A T I O N P R E S S U R E

1 9 6 0 --- (* - Millibars)

Month	Normal (20 Years)	Maximum	Date	Minimum	Date	Mean
Jan.	888.8	901.7	3	877.4	26-30	888.1
Feb.	888.3	903.6	29	867.7	8	888.6
March	888.0	905.2	1	868.7	30	888.9
April	889.3	899.3	7-23	873.0	20	888.9
May	890.4	897.6	5	871.7	17	886.9
June	890.6	898.2	12	876.8	16	889.5
July	892.5	904.7	12	884.3	22	893.5
Aug.	892.5	902.5	7	878.5	21	889.6
Sept.	892.1	903.8	27	877.8	4	892.9
Oct.	890.6	905.0	18	872.6	23	888.3
Nov.	889.3	906.9	5	863.4	25	888.4
Dec.	887.6	911.9	20	875.4	3	892.5
Year	890.0	911.9	Dec. 20	867.7	Feb. 8	889.7

* - 33.864 Millibars - 1 inch.

CALGARY - ALBERTA

DAILY MAXIMUM TEMPERATURE - 1960

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15	45	-6	51	59	73	63	76	68	52	50	41
2	16	31	-2	60	45	72	68	68	67	70	46	38
3	25	36	12	59	47	62	66	79	86	69	35	41
4	32	35	7	68	39	56	70	65	77	66	46	27
5	42	33	4	62	51	65	79	67	61	74	55	34
6	37	40	36	55	66	75	83	67	62	78	70	39
7	28	43	23	58	59	62	89	66	54	68	38	41
8	16	27	24	67	55	67	76	75	68	46	23	44
9	25	19	16	65	64	70	73	80	81	49	45	41
10	32	11	11	53	82	76	80	85	73	56	26	37
11	29	33	11	59	81	69	70	84	80	50	24	56
12	19	41	15	57	81	76	75	80	80	50	35	49
13	23	37	30	50	58	69	87	84	78	45	37	53
14	35	39	38	50	52	61	89	73	78	56	41	29
15	31	39	38	47	57	59	82	70	52	68	37	36
16	22	33	44	49	56	66	87	71	60	55	39	31
17	16	23	52	57	42	62	90	76	72	48	50	21
18	18	16	52	52	46	68	93	82	78	34	45	16
19	19	16	54	56	57	74	90	70	65	53	44	5
20	18	34	60	57	63	55	76	68	46	58	35	-2
21	10	28	33	48	58	58	79	82	57	60	28	35
22	4	25	43	44	53	65	90	66	63	60	25	50
23	26	18	44	38	55	76	62	56	58	69	31	52
24	24	15	51	29	47	74	71	63	65	57	33	45
25	9	5	51	29	59	65	76	67	63	62	18	34
26	16	9	57	31	67	65	83	56	63	58	6	25
27	11	9	45	33	62	72	83	64	56	51	12	27
28	46	24	30	51	64	70	83	67	62	47	27	38
29	45	-1	53	55	70	61	84	65	64	34	32	44
30	46		49	64	72	71	89	68	60	48	44	32
31	35		47		67		74	75		55		26
Mean	24.8	26.3	32.9	51.8	59.0	67.1	79.4	71.5	66.6	56.3	35.9	34.7

DAILY MINIMUM TEMPERATURE - 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	13	-22	31	33	37	52	51	43	41	30	24
2	-1	8	-26	29	33	45	48	57	44	31	30	21
3	-12	21	-17	33	33	44	49	51	39	42	18	8
4	9	16	-16	31	31	39	44	52	50	36	17	17
5	11	10	-7	34	32	38	48	54	46	52	29	-1
6	29	15	-3	28	28	43	51	53	40	40	24	6
7	19	24	-2	23	44	42	56	47	41	45	28	21
8	0	13	12	27	37	40	49	44	35	32	10	19
9	-1	16	8	38	35	37	47	47	46	27	9	25
10	16	-1	7	34	37	42	51	43	40	26	22	11
11	17	-6	-5	27	50	48	47	55	41	28	20	8
12	1	15	-8	29	45	46	51	52	42	40	14	22
13	-5	19	0	32	41	51	52	47	42	33	11	28
14	8	21	12	30	36	44	55	45	45	31	26	22
15	23	23	19	34	36	46	55	46	43	36	20	11
16	14	23	16	26	30	45	55	49	35	34	16	10
17	7	11	34	26	35	43	54	54	33	34	20	8
18	-5	1	31	29	34	42	56	57	52	27	33	9
19	-1	7	33	33	31	40	59	50	37	24	26	-3
20	1	11	32	30	38	43	57	42	35	29	22	-17
21	-1	13	23	34	42	42	57	47	28	36	23	-6
22	-7	9	28	32	33	47	54	50	28	30	3	12
23	-4	-16	23	29	26	44	49	46	43	42	5	26
24	5	6	29	25	35	53	40	36	33	41	17	28
25	3	3	30	23	32	47	47	36	32	33	7	17
26	-10	-7	36	17	40	48	47	41	27	34	-1	4
27	0	-14	31	14	45	54	52	40	28	36	-7	3
28	-9	-1	27	18	41	55	53	47	31	26	-6	7
29	22	-5	25	25	37	47	55	45	34	23	4	24
30	23		30	35	50	45	49	38	38	20	12	22
31	16		25		41		63	43		31		4
Mean	5.5	8.6	13.0	28.5	36.8	44.6	51.7	47.3	38.4	33.5	16.1	12.6

ANNUAL METEOROLOGICAL SUMMARY FOR

CALGARY - ALBERTA

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DAILY MEAN TEMPERATURE - 1960
(Taken From 24 Hourly Readings)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6	26	-14	41	46	57	55	66	53	47	40	30
2	8	18	-15	44	39	55	58	62	53	50	36	30
3	5	31	-2	43	40	49	56	62	62	54	28	25
4	14	25	-4	51	35	47	59	58	62	55	33	20
5	36	22	-5	49	39	49	64	59	54	62	41	9
6	32	26	8	39	47	58	70	59	50	60	43	32
7	24	37	13	40	52	53	74	58	46	56	31	30
8	9	22	18	46	45	53	65	60	52	39	16	30
9	16	18	12	52	50	56	61	63	65	36	24	29
10	24	6	7	45	60	62	64	66	58	39	24	21
11	20	11	5	46	65	59	59	69	61	39	22	31
12	6	32	3	44	58	62	66	66	61	44	23	38
13	8	30	13	41	47	59	69	66	62	38	23	39
14	22	31	27	40	42	52	74	61	63	43	33	24
15	25	33	29	39	47	52	69	58	49	57	29	26
16	18	28	29	37	43	55	72	62	48	45	31	18
17	8	16	46	40	38	54	73	66	54	40	34	14
18	5	8	43	42	39	56	74	68	61	31	40	12
19	8	11	45	43	47	58	71	57	51	36	37	-2
20	11	14	47	44	51	46	65	54	41	42	29	-6
21	3	22	29	38	49	49	67	60	42	49	22	8
22	-1	17	35	37	44	55	73	58	46	46	17	39
23	10	4	34	33	44	61	56	50	49	52	19	39
24	13	10	37	27	40	62	56	50	48	48	22	36
25	5	4	40	26	46	53	63	52	47	47	15	24
26	0	-2	43	25	54	57	68	49	44	47	3	14
27	5	0	35	25	52	60	69	52	42	42	0	17
28	14	14	29	35	54	60	69	57	46	33	11	25
29	33	-3	36	40	57	53	69	56	49	27	17	37
30	40		38	52	61	58	72	56	50	33	30	27
31	26		36		51		69	59		42		16
Mean	14.6	17.6	22.4	40.1	47.8	55.3	65.8	59.3	52.3	44.5	25.8	23.6

DAILY PRECIPITATION (SUM OF RAINFALL AND ONE TENTH OF SNOWFALL *) - 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	TR	---	TR	---	.36	---	.63	.08	---	TR	TR	---
2	.10	TR	TR	---	.04	.02	TR	.07	---	---	---	---
3	.22	.03	---	---	TR	.11	.04	TR	---	---	TR	---
4	.15	---	.02	---	TR	TR	---	.15	.01	---	---	---
5	---	---	.01	---	TR	TR	---	.01	---	---	---	---
6	---	---	TR	---	---	TR	---	.38	TR	---	TR	---
7	---	---	TR	---	.01	---	---	---	.07	.01	---	---
8	.02	.28	.09	---	.04	TR	---	---	---	.63	TR	---
9	---	.16	.03	TR	---	---	---	---	---	---	.04	---
10	---	.01	.01	---	---	---	---	---	---	---	.04	---
11	---	---	.02	---	---	.13	---	.02	---	TR	.02	---
12	---	---	TR	---	.09	---	---	TR	---	.01	---	---
13	---	---	TR	---	TR	.04	---	---	TR	.01	---	.04
14	---	---	---	TR	.16	.56	---	.30	---	---	---	---
15	TR	---	.01	.04	---	.11	.10	---	.11	---	---	---
16	---	.01	---	---	.20	.07	---	TR	---	---	TR	---
17	---	.04	---	---	.77	---	---	---	---	.04	---	TR
18	---	TR	---	---	.03	---	---	---	---	---	---	.26
19	---	.05	---	---	TR	.20	---	.11	.05	---	---	.06
20	TR	TR	TR	---	.01	.29	.70	.28	.08	---	.28	TR
21	TR	TR	TR	.24	.02	.08	---	---	---	---	.03	.20
22	---	.17	---	.02	---	.06	---	.07	---	---	---	TR
23	---	TR	---	.18	.05	---	.19	.13	.14	---	.04	---
24	.16	.33	TR	.55	.29	.28	---	---	---	TR	TR	.12
25	.13	.07	---	.16	TR	.63	---	TR	---	---	.05	TR
26	TR	TR	.02	TR	.01	.06	---	.04	---	---	TR	TR
27	---	.03	TR	---	---	.01	---	---	---	---	---	---
28	---	.04	.02	---	---	.73	---	---	---	.08	---	.01
29	---	.01	---	---	---	TR	---	---	---	---	---	---
30	---	---	---	---	---	.01	---	---	---	---	---	---
31	---	---	TR	---	TR	---	.02	---	---	---	---	---
Total	.78	1.23	.23	1.19	2.08	3.39	1.68	1.64	.46	.78	.50	.69

* - Beginning November 1st, total precipitation was computed by adding rainfall in inches to the water equivalent of the snowfall (obtained by melting).

DAILY SNOWFALL - 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	TR	---	TR	---	.1	---	---	---	---	TR	---	---
2	1.0	TR	TR	---	.3	---	---	---	---	---	---	---
3	2.2	.3	---	---	TR	---	---	---	---	---	TR	---
4	1.5	---	.2	---	TR	---	---	---	---	---	---	---
5	---	---	.1	---	---	---	---	---	---	---	---	---
6	---	---	TR	---	---	---	---	---	---	---	TR	---
7	---	---	TR	---	---	---	---	---	---	---	---	---
8	.2	2.8	.9	---	---	---	---	---	---	4.7	TR	---
9	---	1.6	.3	TR	---	---	---	---	---	---	.6	---
10	---	.1	.1	---	---	---	---	---	---	---	.6	---
11	---	---	.2	---	---	---	---	---	---	---	.2	---
12	---	---	TR	---	---	---	---	---	---	TR	---	---
13	---	---	TR	---	TR	---	---	---	---	---	---	.4
14	---	---	---	TR	TR	---	---	---	---	---	---	---
15	TR	---	.1	.4	---	---	---	---	---	---	---	---
16	---	.1	---	---	---	---	---	---	---	---	TR	---
17	---	.4	---	---	TR	---	---	---	---	---	---	TR
18	---	TR	---	---	TR	---	---	---	---	---	---	5.0
19	---	.5	---	---	---	---	---	---	---	---	---	.8
20	TR	TR	---	---	---	---	---	---	---	---	3.0	TR
21	TR	TR	---	2.4	---	---	---	---	---	---	.5	2.0
22	---	1.7	---	.2	---	---	---	---	---	---	---	TR
23	---	TR	---	1.8	---	---	---	---	TR	---	.7	---
24	1.6	3.3	TR	5.5	TR	---	---	---	---	---	---	1.9
25	1.3	.7	---	1.6	---	---	---	---	---	---	.5	TR
26	TR	TR	.1	TR	---	---	---	---	---	---	TR	TR
27	---	.3	---	---	---	---	---	---	---	---	---	---
28	---	.4	.2	---	---	---	---	---	---	.8	---	.2
29	---	.1	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	TR	---	---	---	---	---	---	---	---	---
Total	7.8	12.3	2.2	11.9	.4	---	---	---	TR	5.5	6.1	10.3

ANNUAL METEOROLOGICAL SUMMARY FOR

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CALGARY - ALBERTA

DATA FOR 1960

NUMBER OF DAYS WITH	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Measurable Rain	--	--	1	--	14	17	6	12	6	5	--	--	61
Rain (Trace or More)	--	--	4	3	20	22	7	16	8	8	1	2	91
Measurable Snow	6	13	9	6	2	--	--	--	--	2	7	6	51
Snow (Trace or More)	11	19	17	8	9	--	--	--	1	3	13	10	91
Measurable Precipitation	6	13	9	6	14	17	6	12	6	6	7	6	108
Precipitation (Trace or More)	11	19	17	10	20	22	7	16	8	9	14	11	164
Thunderstorms	--	--	--	1	1	8	9	8	1	--	--	--	28
Hail	--	--	--	--	1	2	2	--	1	--	--	--	6
F o g	2	1	4	1	2	--	--	--	--	--	4	1	15
Ice Pellets	--	--	--	--	--	--	--	--	--	--	--	--	--
Max. Temp. 32° or Less	27	16	13	3	--	--	--	--	--	--	27	20	106
Max. Temp. 90° or More	--	--	--	--	--	--	4	--	--	--	--	--	4
Min. Temp. 32° or Less	31	29	29	22	7	--	--	--	5	13	29	31	196
Min. Temp. 0° or Less	13	6	10	--	--	--	--	--	--	--	3	5	37
Auroras	2	1	--	5	--	--	2	1	1	4	2	6	24

* N - Number of years of observations

COMPARATIVE RECORDS

MONTHLY AND ANNUAL AVERAGES AND EXTREMES

TEMPERATURES

Month	1931 To 1960			Mean Temperature 1921 - 1950	1885 To 1960								Degree Days (Normal)
	Mean Maximum	Mean Minimum	Monthly Mean		Absolute Maximum	Year	Absolute Minimum	Year	Highest Monthly Mean	Year	Lowest Monthly Mean	Year	
Jan.	24.3	4.0	14.2	15.8	61	1942	-48	1893	31.1	1931	-13.6	1950	1610
Feb.	26.5	5.8	16.2	17.3	76	1908	-49	1893	32.6	1931	-12.0	1936	1356
Mar.	33.6	14.6	24.1	26.2	75	1887	-35	1951	39.9	1910	8.8	1899	1279
Apr.	49.2	27.3	38.3	39.4	85	1926	-22	1954	49.2	1915	25.1	1954	803
May	61.4	37.7	49.6	50.1	90	1928	2	1954	57.9	1897	44.2	1907	495
June	66.3	44.3	55.3	56.2	95	1926	26	1904	60.7	1922	49.4	1902	301
July	74.8	49.2	62.0	62.4	97	1919-1933	32	4 Yrs.	67.2	1936	56.3	1912	126
Aug.	71.9	46.4	59.2	59.8	96	1914	28	1886	65.4	1915	53.7	1899	206
Sept.	63.5	39.4	51.5	51.6	90	1923	8	1926	60.8	1938	42.8	1926	416
Oct.	53.0	30.3	41.7	42.1	85	5 Years	-8	1939	49.6	1944	32.3	1951	728
Nov.	38.0	18.1	28.1	27.9	71	1930-1949	-31	1893	42.9	1917	2.4	1896	1123
Dec.	30.2	10.3	20.3	18.8	67	1939	-45	1924	31.7	1930	3.1	1933	1391
Year	49.4	27.3	38.4	39.0	97	1919-1933	-49	1893	67.2	1936	-13.6	1950	9834
* N	30	30	30	30	76		76		76		76		20

PRECIPITATION

PRECIPITATION									1931 to 1960	MEAN RELATIVE HUMIDITY		
M o n t h	1921 - 1950			1885 To 1960				1941 - 1960				
	Rain (Mean)	Newly Fallen Snow (Mean)	Total Precip- itation(Mean)	Greatest Monthly Precipitation Y e a r	Least Monthly Precipitation Y e a r	Greatest Monthly Snow Y e a r	Sunshine (Normal)	05:00 MST		17:00 MST	Daily Average	
Jan.	.01	5.4	.55	1.84 1934	TR 1898	18.4 1954	103.1	75	70	73		
Feb.	.01	6.5	.66	1.94 1896	.03 1892-94	19.4 1896	118.4	78	70	74		
Mar.	.02	11.0	1.12	2.40 1924	TR 1891	24.0 1924	146.0	80	65	73		
Apr.	.41	8.5	1.26	3.87 1932	TR 1889	25.0 1955	188.5	78	48	63		
May	1.70	2.4	1.94	8.90 1902	.06 1892	31.9 1903	239.6	78	46	60		
June	3.46	.2	3.48	8.82 1902	.26 1918	18.4 1951	236.0	80	51	65		
July	2.41	--	2.41	9.66 1927	.10 1894	.1 1918	316.5	82	47	65		
Aug.	1.96	TR	1.96	9.40 1899	TR 1886-88	4.1 1900	272.7	84	50	69		
Sept.	1.39	4.0	1.79	9.16 1926	TR 1885	32.3 1925	185.4	79	48	63		
Oct.	.38	5.1	.89	2.97 1939	TR 3 Years	18.6 1957	159.1	75	54	65		
Nov.	.02	7.7	.79	2.72 1914	TR 3 Years	27.2 1914	110.7	74	65	68		
Dec.	TR	6.2	.62	2.24 1924	TR 3 Years	22.4 1924	92.2	74	64	69		
Year	11.77	57.0	17.47	9.66 1927	TR 8 Months	32.3 1925	2168.2	78	57	67		
* N	30	30	30	76	76	76	--	30	20	20	20	

* N - Number of years of observations

HIGHEST OF DAILY MAXIMUM TEMPERATURES FOR PERIOD OF RECORD
1900 TO 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52	58	62	66	75	85	91	94	86	80	68	58
2	54	61	66	66	82	86	92	95	88	85	68	58
3	54	59	62	70	80	90	93	96	88	85	71	55
4	54	56	62	68	83	89	91	91	86	83	71	59
5	53	60	63	68	83	82	91	89	84	84	70	67
6	56	60	62	71	81	87	86	89	86	80	71	58
7	56	61	60	76	82	86	89	92	84	85	63	62
8	59	62	60	75	79	88	89	88	88	77	70	60
9	58	58	62	69	82	86	91	89	81	76	70	55
10	51	55	66	72	82	90	88	90	86	84	68	58
11	54	58	65	73	82	87	92	90	83	85	64	54
12	52	66	67	80	81	88	89	93	86	78	69	55
13	52	56	66	79	82	90	92	92	84	73	66	55
14	52	54	62	80	89	92	94	90	90	83	62	61
15	55	60	64	74	87	92	97	87	81	79	65	53
16	51	60	64	81	82	88	95	89	86	78	67	58
17	49	62	62	80	81	89	94	91	84	74	62	57
18	54	66	65	81	85	86	95	92	88	75	70	58
19	59	64	66	80	88	91	84	90	88	77	68	62
20	61	60	68	81	85	94	95	87	85	75	61	57
21	59	62	67	79	87	94	92	86	84	74	68	61
22	55	56	68	78	88	92	96	89	83	72	64	55
23	58	76	62	76	85	94	94	90	83	79	60	59
24	52	60	64	83	84	88	91	89	88	73	63	49
25	50	59	60	84	90	89	97	87	88	73	61	55
26	54	61	60	79	89	95	90	92	86	75	65	53
27	53	59	62	79	86	91	92	87	82	70	65	54
28	57	63	69	83	88	91	94	90	81	71	61	60
29	60	49	66	85	86	94	94	93	81	76	62	60
30	57		73	78	85	89	92	90	86	73	69	50
31	57		70		88		94	89		70		56

CALGARY - ALBERTA

LOWEST OF DAILY MINIMUM TEMPERATURES FOR PERIOD OF RECORD
1900 To 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-32	-38	-33	-10	2	27	36	36	32	19	-11	-26
2	-35	-40	-26	-22	8	28	40	36	30	14	-9	-22
3	-35	-40	-17	-8	16	29	36	36	28	11	3	-15
4	-35	-36	-25	-13	21	31	36	36	32	8	-1	-20
5	-37	-34	-30	-1	18	32	33	36	30	14	-6	-28
6	-32	-30	-34	-8	20	29	39	34	28	4	-17	-30
7	-44	-36	-34	-4	24	30	38	36	28	16	-12	-26
8	-35	-34	-35	8	21	26	38	34	24	15	-24	-29
9	-27	-42	-30	-2	24	29	35	38	28	14	-10	-25
10	-31	-36	-26	9	20	32	36	36	26	12	-21	-32
11	-37	-32	-34	-7	24	32	32	37	24	19	-21	-30
12	-44	-35	-31	2	23	33	35	40	22	8	-21	-26
13	-44	-30	-26	6	24	35	39	38	20	10	-26	-25
14	-35	-39	-31	8	23	35	33	35	25	14	-17	-23
15	-36	-35	-27	8	18	32	38	33	21	12	-20	-30
16	-39	-36	-24	13	26	32	38	32	25	6	-18	-44
17	-41	-30	-9	4	26	35	38	33	28	2	-17	-45
18	-36	-30	-6	0	28	34	34	35	25	4	-25	-33
19	-38	-27	-17	-5	26	30	36	32	26	3	-25	-28
20	-39	-28	-20	1	26	29	36	34	18	14	-30	-31
21	-46	-26	-10	8	23	34	40	32	20	3	-26	-18
22	-34	-34	-10	9	24	33	40	33	21	7	-22	-23
23	-38	-25	-13	17	28	32	35	34	11	6	-26	-19
24	-40	-26	-23	1	28	34	36	30	8	-2	-18	-28
25	-37	-31	-13	-1	23	36	32	33	10	-8	-11	-29
26	-37	-26	-18	11	26	32	39	31	17	-5	-16	-25
27	-41	-27	-15	14	28	32	35	30	15	-7	-11	-32
28	-45	-20	-14	3	23	34	35	31	22	-5	-12	-25
29	-40	-8	-2	6	30	36	37	31	23	0	-25	-28
30	-33		-4	0	26	35	36	30	19	-2	-11	-35
31	-36		-6		26		34	33		0		-32

DAILY MEAN TEMPERATURE FOR PERIOD 1931 To 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15	15	18	32	44	52	59	60	57	47	32	28
2	14	17	19	32	44	53	59	62	56	47	32	26
3	15	16	19	33	45	53	59	62	57	46	33	24
4	17	16	15	32	47	54	60	61	57	46	33	21
5	15	14	16	36	46	52	59	61	54	44	34	22
6	17	14	18	33	46	51	60	61	54	44	32	21
7	17	10	19	35	46	52	61	60	54	46	30	19
8	18	12	19	35	46	54	61	61	54	45	30	20
9	21	14	20	35	47	54	61	61	54	46	31	21
10	20	15	19	36	48	55	62	61	54	46	29	23
11	17	15	20	38	49	55	61	62	53	46	28	21
12	15	16	22	41	49	57	62	61	54	46	27	21
13	16	18	20	40	49	57	62	61	53	45	26	23
14	13	17	22	40	49	57	63	59	53	46	26	22
15	10	17	23	40	51	55	63	59	51	43	25	21
16	12	18	24	41	52	55	62	59	51	42	23	22
17	13	19	27	42	51	55	62	61	50	43	23	23
18	12	15	30	41	50	55	63	60	49	42	26	22
19	10	15	31	42	51	55	64	58	50	40	26	22
20	10	15	30	41	50	57	63	58	50	41	25	24
21	14	17	30	41	51	57	64	60	50	39	25	23
22	12	16	29	39	50	58	65	59	49	37	27	20
23	13	15	28	38	52	57	64	57	48	37	28	17
24	10	16	28	39	53	57	63	57	47	38	29	17
25	9	18	27	39	52	57	62	57	48	37	28	16
26	12	19	27	41	53	56	63	56	48	38	25	15
27	15	20	28	41	53	57	63	56	48	37	24	14
28	15	21	28	43	53	58	63	56	48	37	27	16
29	14	16	30	44	54	57	63	57	47	35	28	16
30	14		32	43	54	59	62	56	47	35	29	14
31	14		31		53		62	55		34		14

CALGARY - ALBERTA

DAILY MEAN MAXIMUM TEMPERATURES
1931 To 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25	27	27	41	56	62	71	73	69	60	41	37
2	25	27	29	41	56	64	71	76	69	59	43	37
3	27	25	27	43	57	64	71	75	71	58	44	33
4	27	26	24	43	59	65	72	74	68	57	43	30
5	26	23	26	46	58	62	71	74	65	53	45	33
6	27	23	27	43	58	62	72	74	67	58	42	31
7	28	19	30	46	58	63	74	72	65	58	40	28
8	27	24	28	45	57	65	74	74	65	58	41	30
9	32	24	30	46	59	65	74	74	67	58	43	31
10	30	26	27	47	61	66	75	75	66	59	38	35
11	26	25	31	51	61	67	74	75	66	58	37	31
12	25	27	32	51	62	69	75	73	67	57	37	31
13	25	29	30	52	61	68	75	73	66	56	36	33
14	21	27	33	52	61	69	75	72	65	59	34	31
15	20	28	34	51	63	65	75	72	62	53	33	31
16	23	30	34	53	64	65	74	73	63	54	32	32
17	22	28	36	54	63	66	75	75	62	55	33	33
18	23	24	41	52	61	67	78	73	61	54	36	32
19	19	24	40	54	63	67	77	72	63	51	37	31
20	21	27	39	53	61	68	76	72	61	52	36	36
21	25	27	39	51	62	69	78	74	62	49	37	32
22	22	27	38	48	62	69	79	72	60	48	38	30
23	23	24	36	49	64	69	78	69	60	49	38	27
24	20	27	36	49	65	67	75	69	58	49	38	25
25	20	28	36	50	64	67	76	69	59	50	39	26
26	24	31	37	52	64	66	77	66	61	49	34	24
27	27	30	38	52	66	68	77	67	60	48	34	23
28	25	32	39	55	65	69	76	68	61	48	36	27
29	24	24	40	55	66	69	76	70	59	46	38	26
30	24		41	55	65	70	76	67	58	47	39	23
31	24		40		64		74	67		43		25

CALGARY - ALBERTA

DAILY MEAN MINIMUM TEMPERATURES
1931 To 1960

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	4	10	26	32	42	48	48	45	35	22	19
2	4	8	10	22	32	43	48	48	43	36	21	15
3	3	7	10	23	33	43	47	48	43	35	22	14
4	7	7	7	22	35	44	47	48	45	34	24	12
5	5	5	6	25	35	42	48	48	43	35	23	11
6	7	4	9	23	34	41	48	47	42	31	22	12
7	6	1	8	24	34	41	48	47	43	34	19	10
8	9	0	10	25	34	43	48	48	42	32	20	9
9	10	3	10	25	35	43	48	47	41	33	20	10
10	10	4	10	25	35	43	49	46	41	33	21	11
11	9	5	8	25	37	44	48	49	40	36	19	11
12	4	4	11	27	37	45	48	50	41	34	17	11
13	6	7	11	28	37	46	49	48	40	34	17	13
14	5	7	12	28	37	45	51	47	42	33	17	13
15	1	6	13	30	38	46	52	46	41	32	17	12
16	1	6	15	28	40	45	51	45	39	30	14	12
17	4	10	17	30	39	44	50	46	38	31	12	13
18	2	6	19	29	39	43	49	47	37	31	15	11
19	1	5	22	30	40	43	50	45	38	30	15	12
20	-2	4	20	30	39	46	50	45	38	30	15	12
21	2	7	20	31	40	46	51	46	37	28	13	14
22	3	6	19	31	39	47	51	46	38	27	16	10
23	3	6	20	28	40	46	50	46	37	26	18	7
24	1	5	20	28	41	47	50	46	37	27	20	8
25	-1	8	18	28	40	47	49	46	37	25	18	7
26	1	8	18	30	42	46	49	45	35	26	17	6
27	4	9	19	29	41	46	49	45	36	27	15	4
28	5	9	18	31	40	46	50	44	36	26	17	6
29	4	6	19	32	42	46	50	44	36	25	18	6
30	4	52	23	32	43	48	49	44	35	24	18	5
31	4	61	23	89	42	93	50	44	74	24	53	4
	47	60	75	85	88	93	91	83	69	38	62	93

MONTHLY AND ANNUAL MAXIMUM TEMPERATURES *
1885 To 1960

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	52	57	70	72	74	85	85	87	84	73	65	49	87
1886	48	55	64	70	84	84	94	85	80	81	64	51	94
1887	39	56	75	68	90	85	85	80	83	77	65	48	90
1888	50	52	58	72	75	77	92	90	89	79	58	53	92
1889	49	54	68	73	78	89	84	89	86	85	69	47	89
1890	50	48	45	77	81	88	93	87	84	70	70	58	93
1891	57	40	58	74	88	84	88	88	81	77	57	46	88
1892	58	52	64	69	84	92	91	91	86	82	68	40	92
1893	51	45	54	66	80	78	90	95	86	61	56	48	95
1894	48	50	54	71	82	82	92	92	79	68	67	49	92
1895	51	49	58	74	75	89	85	83	79	76	65	49	89
1896	51	59	55	68	72	94	95	85	85	73	47	50	95
1897	46	40	47	76	88	79	86	90	80	73	59	45	90
1898	44	45	42	76	76	84	94	87	81	61	48	56	94
1899	49	55	49	70	71	77	89	78	77	77	58	56	89
1900	50	50	60	76	79	92	85	90	77	71	64	50	92
1901	45	57	55	72	85	77	80	85	75	74	60	60	85
1902	54	46	50	65	82	76	84	81	75	74	49	47	84
1903	51	47	48	66	84	81	81	80	76	79	68	54	84
1904	49	38	46	76	76	85	94	85	78	75	41	52	94
1905	46	57	66	78	80	85	91	86	80	72	70	47	91
1906	54	61	73	79	82	77	88	92	82	77	60	50	92
1907	38	57	53	66	74	88	84	82	80	72	61	57	88
1908	50	76	56	74	82	82	89	84	84	71	68	47	89
1909	48	49	58	61	76	82	84	85	80	72	56	50	85
1910	50	49	67	84	80	87	92	84	80	76	55	53	92
1911	46	44	64	74	83	82	88	78	74	74	51	50	88
1912	48	49	60	66	82	90	79	82	72	70	58	51	90
1913	52	57	56	80	80	84	87	90	84	85	60	54	90
1914	56	55	67	72	82	89	94	96	82	76	58	38	96
1915	47	46	66	77	78	78	81	88	82	76	55	51	88
1916	36	66	64	76	74	82	87	85	80	74	56	50	87
1917	48	56	50	62	82	88	91	88	86	80	67	55	91
1918	54	55	66	76	78	90	94	93	84	74	69	52	94
1919	55	54	58	79	88	94	97	92	79	74	61	56	97
1920	48	49	56	57	76	86	92	92	86	84	56	50	92
1921	47	60	57	70	82	86	95	91	80	82	67	54	95
1922	53	47	52	73	83	90	91	95	88	73	65	54	95
1923	51	63	61	82	79	85	91	88	90	79	70	52	91
1924	57	59	50	72	89	84	93	92	86	74	64	53	93
1925	47	49	60	75	85	88	93	91	83	69	58	62	93

* - Temperatures given are the highest recorded each month (and year).

MONTHLY AND ANNUAL EXTREME MAXIMUM TEMPERATURES *

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	51	58	68	85	76	95	92	88	79	76	62	53	95
1927	47	50	55	76	77	81	85	85	78	76	54	49	85
1928	59	58	68	78	90	81	90	90	87	71	64	57	90
1929	54	46	61	71	80	81	93	93	79	80	60	54	93
1930	42	62	69	76	74	86	94	91	84	71	62	58	94
1931	60	55	63	78	82	84	91	90	82	76	67	46	91
1932	48	60	50	67	76	80	87	86	83	79	53	46	87
1933	52	51	56	66	74	92	97	92	74	85	66	56	97
1934	54	66	66	81	87	82	94	90	82	85	69	58	94
1935	52	60	59	62	74	79	92	85	79	77	51	48	92
1936	46	49	58	81	88	94	96	89	81	81	70	52	96
1937	41	46	63	69	76	94	90	83	86	79	59	56	94
1938	51	61	56	67	78	84	93	89	88	74	57	50	93
1939	49	48	67	83	85	81	94	91	81	68	63	67	94
1940	57	47	55	67	84	81	87	93	84	75	57	51	93
1941	54	60	63	78	85	94	95	86	73	73	67	58	95
1942	61	43	66	77	80	78	87	87	83	81	54	50	87
1943	58	58	57	74	73	76	89	85	86	85	67	53	89
1944	59	47	62	71	83	89	86	81	85	78	57	55	89
1945	49	46	61	63	79	86	88	87	80	83	59	46	88
1946	45	46	60	80	79	80	92	89	81	61	62	49	92
1947	50	53	60	75	76	78	88	89	81	72	66	55	89
1948	48	39	49	58	77	88	88	84	86	79	52	44	88
1949	54	47	54	74	81	84	88	88	83	66	71	54	88
1950	20	52	55	70	77	88	87	85	88	74	65	50	88
1951	44	46	55	69	82	85	82	89	78	74	57	50	89
1952	42	52	52	76	75	78	83	83	86	76	62	61	86
1953	48	46	56	60	81	78	88	85	79	75	61	57	88
1954	46	62	50	65	78	78	87	79	74	72	68	62	87
1955	47	46	56	68	78	81	89	89	88	73	58	38	89
1956	40	44	57	67	88	87	88	85	76	72	61	61	88
1957	42	52	55	78	76	83	85	78	82	79	59	60	85
1958	56	53	45	67	82	82	86	89	84	77	59	56	89
1959	49	56	60	68	80	88	94	86	79	72	58	54	94
1960	46	45	60	68	82	76	93	85	86	78	70	53	93
1920	-34	-7	-22	-8	17	30	32	21	27	15	-5	-31	-31
1921	-16	-10	-31	16	26	36	36	36	21	21	-26	-31	-31
1922	-26	-26	-15	10	27	32	38	38	29	15	-3	-30	-30
1923	-25	-39	-6	-2	22	40	36	36	23	3	-2	-35	-39
1924	-25	-18	2	10	28	32	38	34	26	14	-16	-45	-45
1925	-20	-22	-22	19	23	33	39	31	25	-2	-1	-3	-22

* - Temperatures given are the highest recorded each month (and year).

EXTREME MONTHLY AND ANNUAL MINIMUM TEMPERATURES *
1885 To 1960

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	-35	-24	10	4	16	33	32	35	24	13	1	-11	-35
1886	-40	-9	-14	17	19	33	40	28	28	8	-30	-32	-40
1887	-32	-43	-23	16	23	28	33	32	24	-8	-25	-21	-43
1888	-31	-29	-29	1	27	28	38	38	28	6	-13	-1	-31
1889	-20	-26	-6	15	25	30	35	32	23	14	0	-16	-26
1890	-35	-39	-7	-2	23	38	39	33	21	11	0	4	-39
1891	-20	-43	-25	12	19	26	35	37	24	6	-15	-26	-43
1892	-18	-21	-2	10	23	31	34	35	15	7	-25	-34	-34
1893	-48	-49	-9	10	29	--	39	34	22	1	-31	-30	-49
1894	-32	-29	-9	16	20	32	36	39	25	17	-11	-6	-32
1895	-30	-38	-10	20	25	27	40	33	23	19	-14	-11	-38
1896	-34	-21	-34	13	22	33	34	38	24	16	-20	-16	-34
1897	-37	-10	-28	18	28	30	39	34	26	6	-26	-26	-37
1898	-8	-20	-18	4	22	35	38	33	24	14	-24	-31	-31
1899	-25	-40	-20	-14	12	34	35	30	32	4	14	-24	-40
1900	-15	-27	-22	21	28	30	36	30	17	11	-30	-3	-30
1901	-35	-18	-10	13	20	30	37	35	23	18	-6	-4	-35
1902	-30	-18	-24	14	25	29	38	31	24	22	-16	-27	-30
1903	-13	-18	-25	16	23	34	38	36	26	18	-20	-22	-25
1904	-22	-25	-26	18	23	26	34	37	21	21	6	-22	-26
1905	-20	-40	1	2	24	32	40	33	22	3	-25	-14	-40
1906	-32	-16	-25	18	18	36	40	34	24	22	-8	-27	-32
1907	-35	-40	-7	7	16	33	40	31	20	20	10	-8	-40
1908	-28	-14	-12	3	25	36	39	34	20	9	-2	-20	-28
1909	-44	-35	3	10	22	36	41	33	31	19	-12	-23	-44
1910	-16	-32	10	20	18	30	35	30	18	12	11	-13	-32
1911	-44	-22	10	-13	26	36	33	33	21	14	-21	-30	-44
1912	-30	-7	-16	14	28	29	33	31	25	15	11	0	-30
1913	-28	-18	-13	19	19	38	38	38	30	11	3	-2	-28
1914	-26	-29	-18	16	22	31	42	36	30	22	-10	-10	-29
1915	-24	0	4	24	31	35	38	46	24	26	0	-9	-24
1916	-41	-20	-12	22	23	34	38	39	23	18	-10	-25	-41
1917	-36	-28	-10	10	22	32	34	34	30	7	15	-28	-36
1918	-24	-28	-20	20	23	31	32	34	30	16	8	-4	-28
1919	6	-23	-33	21	20	27	41	41	22	-7	-13	-32	-33
1920	-34	-7	-22	-8	17	30	43	31	27	15	-5	-23	-34
1921	-16	-10	-31	16	26	38	36	36	21	21	-26	-31	-31
1922	-26	-26	-15	10	27	32	38	38	29	15	-3	-30	-30
1923	-25	-39	-6	-2	22	40	36	36	23	3	2	-35	-39
1924	-25	-18	2	10	28	32	38	34	26	19	-16	-45	-45
1925	-20	-22	-22	19	20	33	39	31	25	-5	-1	3	-22

* - Temperatures given are the lowest recorded each month and year.

CALGARY - ALBERTA

MONTHLY AND ANNUAL EXTREME MINIMUM TEMPERATURES *

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	0	-8	15	4	28	31	35	36	8	22	-8	-23	-23
1927	-27	-30	-2	-5	24	33	40	40	27	16	-12	-32	-32
1928	-30	-16	2	12	25	30	38	32	18	3	5	-21	-30
1929	-45	-30	1	8	18	36	35	34	23	9	-2	-25	-45
1930	-38	-12	-20	22	28	33	39	33	26	6	-12	10	-38
1931	0	7	-10	13	24	37	40	38	29	16	-16	-8	-16
1932	-27	-30	-22	24	31	35	38	36	28	1	-10	-31	-31
1933	-15	-26	-17	10	29	35	37	36	17	5	0	-26	-26
1934	-20	-26	1	19	32	29	36	37	10	18	0	-28	-28
1935	-38	-8	-16	1	25	34	35	33	17	-2	-11	-8	-38
1936	-22	-36	-5	-4	28	34	32	42	25	6	-12	-22	-36
1937	-32	-26	-8	20	30	36	41	35	30	24	-7	-22	-32
1938	-21	-30	6	10	26	33	42	36	35	19	-12	-28	-30
1939	-14	-42	-31	8	24	32	39	32	31	-8	15	-9	-42
1940	-25	-26	1	-7	29	37	41	35	34	15	-21	-10	-26
1941	-23	-20	-6	17	24	36	41	37	15	13	-1	-25	-25
1942	-19	-24	4	12	25	33	38	32	27	9	-17	-15	-24
1943	-46	-27	-27	22	23	30	32	37	29	12	10	5	-46
1944	-12	-8	-9	24	23	32	38	37	27	24	-3	-20	-20
1945	-12	-22	-21	-2	24	35	39	34	25	12	-24	-16	-24
1946	-8	-13	16	23	20	38	41	32	27	4	-24	-19	-24
1947	-36	-32	-30	21	23	37	42	37	28	20	-13	-1	-36
1948	-4	-27	-19	-8	29	40	44	38	19	17	4	-23	-27
1949	-35	-28	-14	22	24	33	41	35	24	5	14	-25	-35
1950	-41	-8	-25	18	21	27	43	32	22	19	-22	-22	-41
1951	-25	-27	-35	0	26	28	36	36	20	-1	1	-30	-35
1952	-31	-17	-11	14	26	35	39	36	32	21	1	0	-31
1953	-21	-6	-10	4	27	38	39	40	29	19	8	0	-21
1954	-40	-9	-13	-22	2	35	39	39	21	8	18	-15	-40
1955	-9	-27	-24	18	24	35	41	35	24	14	-26	-33	-33
1956	-26	-31	-18	6	14	34	41	37	28	2	7	-31	-31
1957	-32	-34	-12	12	26	34	41	35	25	4	-3	1	-34
1958	1	-26	-15	22	29	32	41	41	27	16	-13	-21	-26
1959	-19	-22	14	-1	20	35	40	37	24	19	-20	2	-22
1960	-12	-16	-26	14	26	37	40	36	27	20	-7	-17	-26

* - Temperatures given are the lowest recorded each month and year.

CALGARY - ALBERTA

MONTHLY AND ANNUAL MEAN TEMPERATURES
1885 To 1960

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	9.4	17.6	38.6	39.7	48.5	55.9	56.7	56.9	50.2	41.7	33.6	25.8	39.6
1886	-1.7	26.7	28.1	41.3	49.2	57.4	63.8	58.7	49.4	40.5	27.2	13.8	37.9
1887	3.6	-4.0	25.8	39.5	51.3	53.0	59.4	56.9	50.4	40.1	26.5	9.0	34.3
1888	-1.3	20.7	16.0	36.0	48.1	54.4	60.1	60.0	56.2	41.1	24.9	23.9	36.7
1889	19.2	20.3	35.1	45.2	49.5	57.1	59.9	59.9	49.0	44.5	29.7	16.7	40.5
1890	-3.5	3.1	22.6	36.9	49.4	56.9	61.5	60.4	51.3	40.6	39.4	25.4	37.0
1891	27.0	0.7	24.2	44.5	50.7	55.4	61.8	60.0	52.0	43.1	24.7	21.0	38.8
1892	16.6	18.7	31.4	36.2	45.2	57.4	61.1	60.4	53.0	42.9	21.1	13.3	38.1
1893	15.1	4.5	20.2	34.0	50.4	53.2	60.1	61.5	49.5	36.9	19.6	19.1	35.3
1894	8.9	15.8	26.0	42.3	50.1	56.9	63.9	63.9	48.6	41.3	27.1	20.6	38.8
1895	3.9	13.4	27.1	43.5	49.6	54.3	59.4	57.3	44.9	45.4	27.5	19.6	37.2
1896	3.7	24.3	19.2	36.3	45.8	58.5	64.6	59.6	49.3	41.3	2.4	26.1	35.9
1897	12.6	15.9	11.4	43.7	57.9	57.0	59.2	60.2	52.4	42.2	12.3	18.2	36.9
1898	20.9	14.5	17.8	38.2	49.1	56.4	62.6	63.0	51.8	35.9	21.7	21.4	37.8
1899	13.2	2.4	8.8	33.8	44.4	53.2	60.3	53.7	53.6	36.7	37.1	19.2	34.7
1900	22.0	11.4	28.2	44.1	51.8	57.6	58.2	55.1	47.8	38.1	20.6	27.8	38.6
1901	16.6	15.6	30.4	38.7	52.5	50.4	58.9	59.3	45.2	47.9	28.4	26.3	39.2
1902	20.3	15.2	25.9	39.7	49.0	49.4	59.1	58.1	48.7	45.0	21.5	12.4	36.9
1903	21.6	21.6	14.6	37.5	46.1	57.9	56.8	55.4	47.1	44.6	21.1	26.2	37.5
1904	17.6	-1.1	13.3	43.0	48.0	54.3	61.0	56.6	51.0	43.7	35.5	20.2	36.9
1905	10.0	14.4	36.0	39.5	47.4	52.9	61.2	59.9	51.5	37.4	33.7	24.6	39.0
1906	16.0	24.3	25.4	45.5	46.4	56.0	64.2	59.5	51.4	44.4	26.9	11.6	39.3
1907	-6.3	21.0	22.1	34.6	44.2	55.0	60.3	55.0	48.7	48.0	34.5	23.6	36.7
1908	25.8	22.3	22.0	43.2	50.0	55.2	63.7	57.8	53.3	40.4	33.3	21.2	40.7
1909	3.6	11.8	30.7	32.6	46.5	56.8	61.4	59.0	55.2	40.6	19.6	13.9	36.0
1910	21.1	9.8	39.9	46.0	50.4	57.6	62.2	55.2	49.7	43.5	26.6	22.9	40.4
1911	-0.8	14.6	34.6	36.3	47.3	57.6	56.8	54.3	47.4	40.4	18.6	21.0	35.7
1912	12.6	26.4	22.0	41.2	50.2	59.8	56.3	57.9	46.5	40.0	32.2	28.4	39.5
1913	8.4	17.9	22.8	45.9	48.9	58.8	61.3	61.4	55.0	39.8	31.8	29.2	40.1
1914	16.3	16.5	31.0	42.7	50.8	57.7	66.4	61.8	53.3	44.5	32.0	13.0	40.5
1915	19.8	24.4	33.0	49.2	49.6	54.1	58.8	65.4	48.8	44.9	29.1	23.9	41.8
1916	-7.7	19.8	30.1	43.0	46.3	56.1	62.5	60.5	52.3	41.5	31.1	13.2	37.4
1917	13.3	12.0	25.5	35.9	49.0	54.9	64.5	60.4	52.5	39.2	42.9	5.1	37.9
1918	13.0	16.5	26.8	45.3	48.0	59.9	63.7	61.7	56.9	47.6	35.0	24.0	41.5
1919	31.0	15.0	19.4	45.0	52.2	49.6	64.3	63.6	52.5	32.8	20.0	18.7	39.5
1920	13.4	26.1	24.3	28.9	46.8	56.4	65.8	62.7	52.8	42.0	29.7	18.7	38.9
1921	17.4	24.6	23.0	40.0	49.9	60.5	63.8	61.3	47.5	47.5	20.9	19.9	39.7
1922	17.2	6.2	26.0	38.2	51.3	60.7	62.5	63.3	58.8	44.5	31.6	10.7	39.3
1923	16.8	17.7	27.8	40.0	50.9	58.1	62.7	59.6	54.6	42.9	38.1	21.3	40.9
1924	13.7	27.8	27.0	38.3	53.9	54.0	63.8	58.9	55.2	45.4	25.4	7.7	39.3
1925	12.6	17.0	27.6	43.0	52.2	58.1	62.2	58.5	48.7	33.2	29.4	31.5	39.5

CALGARY - ALBERTA

MONTHLY AND ANNUAL MEAN TEMPERATURES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	29.2	28.2	34.9	43.0	52.0	55.8	64.6	56.5	42.8	44.2	24.7	16.4	41.0
1927	14.1	16.7	27.8	36.3	44.8	56.0	59.9	60.0	55.5	44.2	14.3	3.2	35.7
1928	22.8	27.2	31.2	36.0	55.3	54.5	62.1	58.5	52.8	38.0	33.3	25.1	41.4
1929	6.2	13.2	33.3	35.8	48.6	57.6	63.4	63.2	48.8	45.3	30.8	16.2	38.5
1930	3.3	28.5	28.8	44.1	47.0	56.0	62.7	62.7	51.3	34.0	30.8	31.7	40.1
1931	31.1	32.6	26.2	40.3	49.9	57.1	61.7	61.2	51.2	43.6	24.3	22.0	41.8
1932	14.2	16.4	16.7	40.9	49.4	57.6	60.4	60.5	52.1	37.2	27.3	18.7	37.6
1933	16.5	15.7	26.9	34.7	48.4	59.1	62.0	61.3	49.0	36.6	35.5	3.1	37.4
1934	26.3	28.5	27.7	46.3	55.3	54.0	61.1	60.6	45.7	42.9	32.2	19.7	41.7
1935	7.4	30.6	19.6	32.0	46.4	54.3	62.0	56.2	51.7	38.6	21.0	25.6	37.1
1936	8.7	-12.0	25.3	37.0	55.8	57.5	67.2	61.8	49.7	45.0	36.6	16.6	37.4
1937	0.5	10.8	26.2	41.2	50.5	57.4	62.8	57.2	53.3	44.8	22.8	17.0	37.0
1938	22.6	5.9	30.8	39.2	49.0	58.0	63.0	57.7	60.8	45.7	27.4	22.2	40.2
1939	24.6	5.1	22.1	41.6	52.2	49.8	62.2	61.1	51.8	36.5	40.1	30.0	39.8
1940	10.6	12.6	26.9	34.4	53.1	56.2	61.3	61.6	55.7	42.2	19.2	26.0	38.3
1941	17.8	21.4	27.9	44.2	48.9	58.8	65.7	60.1	46.3	42.8	33.9	20.8	40.8
1942	27.9	14.8	30.8	40.6	47.0	53.8	61.0	59.4	52.1	43.8	21.0	15.8	39.0
1943	4.1	26.0	18.6	44.2	46.2	51.8	63.2	60.1	53.6	45.0	36.2	30.7	40.0
1944	25.0	19.0	22.8	43.4	52.4	55.2	60.0	58.2	53.3	49.6	28.4	22.9	40.8
1945	19.0	18.4	30.9	30.7	46.7	53.1	62.4	60.8	48.6	43.4	16.3	14.5	37.1
1946	22.1	22.1	34.4	44.6	47.7	54.2	62.7	58.6	52.1	37.8	19.6	17.4	39.4
1947	19.3	14.0	21.8	41.9	49.4	53.9	64.3	57.0	50.3	43.9	24.2	22.8	38.6
1948	25.3	7.5	17.7	27.9	50.0	58.8	61.2	59.7	53.6	44.4	31.5	10.1	37.3
1949	8.4	2.9	26.4	45.6	52.9	56.4	60.5	61.9	54.1	37.9	40.8	6.1	37.8
1950	-13.6	20.2	19.0	35.5	46.8	56.0	60.1	57.0	52.0	38.3	19.8	20.8	34.3
* 1951	8.9	12.8	13.4	37.1	49.6	49.8	60.5	54.5	47.0	32.3	27.9	10.1	33.7
1952	5.1	19.3	19.0	44.3	50.2	54.3	59.2	57.6	53.1	44.2	31.2	25.5	38.6
1953	10.8	25.6	27.9	31.6	47.7	53.5	60.4	60.3	51.5	47.4	33.6	26.2	39.7
1954	-2.3	29.8	20.6	25.1	47.1	52.7	61.1	56.5	49.3	40.6	38.9	29.0	37.4
1955	20.5	15.9	17.1	36.3	45.4	57.8	61.2	60.6	47.9	41.3	8.2	6.4	34.9
1956	6.4	11.5	23.9	35.1	52.0	56.9	62.1	59.8	50.7	38.1	34.7	19.6	37.6
1957	6.2	14.1	28.2	38.5	52.2	55.0	61.7	55.4	54.1	33.2	30.6	27.6	38.1
1958	27.8	12.8	18.1	38.6	56.2	56.4	61.4	63.2	51.0	44.7	26.3	23.8	40.0
1959	8.1	13.4	33.6	38.7	45.1	56.2	63.8	55.6	47.7	39.3	24.2	29.3	37.9
1960	14.6	17.6	22.4	40.1	47.8	55.3	65.8	59.3	52.3	44.5	25.8	23.6	39.1

* - 1951 - 1960 Daily Average of 24 Hourly Temperatures.

CALGARY - ALBERTA

[illegible]

MONTHLY AND ANNUAL RAINFALL 1885 - 1960

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	---	.25	.11	.05	.38	2.15	3.70	3.06	TR	TR	TR	.25	9.95
1886	---	.02	.38	.26	1.72	3.30	.20	---	.76	.64	---	---	7.28
1887	---	---	---	---	.69	2.15	3.54	2.19	1.54	.04	---	---	10.15
1888	---	.10	---	1.27	1.67	3.70	3.23	2.08	.23	.12	---	---	12.40
1889	---	---	TR	TR	1.44	.61	2.37	TR	1.39	.07	---	TR	5.83
1890	---	---	---	.04	2.13	2.27	2.21	3.47	.51	.07	---	TR	10.70
1891	---	---	TR	.07	1.38	2.20	2.81	1.58	.77	.12	TR	---	8.93
1892	---	---	---	.40	TR	1.07	2.40	1.10	.50	TR	TR	---	5.47
1893	TR	---	---	TR	2.47	1.11	1.95	.88	.39	.08	---	---	6.83
1894	TR	---	---	.58	4.02	1.10	.10	1.47	1.22	---	---	---	8.49
1895	---	---	---	.54	.28	1.97	4.97	1.18	1.63	.19	---	---	10.76
1896	---	---	---	.36	1.85	1.22	1.84	1.66	1.29	.46	---	---	8.68
1897	---	---	---	.24	.18	6.13	5.54	2.13	1.04	.43	---	---	15.69
1898	---	---	---	.02	2.05	3.21	3.87	2.17	.27	.24	---	TR	11.83
1899	---	---	---	.10	5.16	3.52	2.11	9.40	.99	.27	.04	.02	21.61
1900	---	---	---	1.46	1.32	3.56	2.02	.88	3.39	.16	---	---	12.79
1901	---	---	---	TR	1.91	6.46	3.90	.71	2.68	.12	---	---	15.78
1902	.30	---	---	TR	6.14	8.82	5.06	6.40	1.57	.61	---	---	28.90
1903	---	---	---	.20	1.06	2.05	4.10	7.70	1.41	TR	---	.10	16.62
1904	---	---	---	.10	1.54	1.99	1.74	2.75	.69	.02	---	---	8.83
1905	---	---	.08	---	1.81	5.71	.91	.69	.35	.23	.06	---	9.84
1906	---	---	---	.33	6.14	2.35	1.15	3.00	.04	.74	---	---	13.75
1907	---	---	---	.01	1.02	3.76	.85	3.34	1.44	.15	TR	---	10.57
1908	---	---	.18	.23	4.59	7.26	1.73	1.52	.02	.32	---	---	15.85
1909	---	---	---	---	3.12	2.07	4.09	.59	.36	.18	---	---	10.41
1910	---	---	.92	.10	.70	.94	.44	3.97	1.50	.38	---	TR	8.95
1911	---	---	.02	.02	2.81	2.63	2.17	4.36	.39	.31	.01	---	12.72
1912	---	---	---	1.58	1.42	4.31	5.20	2.75	2.80	.74	---	---	18.80
1913	---	---	---	.01	2.27	3.91	.61	5.19	.87	.14	.16	---	13.16
1914	---	---	---	.30	.52	2.64	2.52	2.18	1.11	---	---	---	9.27
1915	---	---	.01	.46	3.13	4.02	3.98	.78	2.23	2.17	---	---	16.78
1916	---	TR	.08	.53	2.88	1.46	1.49	2.03	.84	.06	---	---	9.37
1917	---	TR	---	.12	1.72	1.98	.47	1.52	.95	TR	---	---	6.76
1918	---	---	TR	.29	.87	.26	1.34	2.54	.97	.09	---	---	6.36
1919	TR	---	---	.50	.47	.29	1.64	3.80	1.33	.30	.02	---	8.35
1920	---	---	---	.22	.41	1.34	4.94	.09	.33	.97	---	---	8.30
1921	---	---	---	1.16	.53	.99	2.07	1.61	.14	.05	.07	TR	6.62
1922	---	---	---	.01	.41	1.90	1.99	1.42	1.55	---	.01	---	7.29
1923	---	---	---	.23	5.38	7.73	3.36	1.21	.43	---	---	---	18.34
1924	---	TR	---	.06	.89	5.00	2.51	4.46	1.16	.34	---	---	14.42
1925	---	---	---	.97	.58	3.25	2.00	1.61	1.85	---	---	---	10.26

CALGARY - ALBERTA

MONTHLY AND ANNUAL RAINFALL

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	----	----	----	.27	.08	4.55	1.17	3.22	7.81	.64	.04	----	17.78
1927	----	----	----	----	2.73	4.40	9.66	2.81	4.36	.99	----	----	24.95
1928	----	.35	----	----	.19	8.45	1.53	1.90	.04	.24	TR	----	12.70
1929	----	----	TR	----	1.59	2.59	1.30	.67	1.02	.58	TR	----	7.75
1930	----	----	TR	2.99	1.19	2.26	1.47	1.07	.95	.08	----	.02	10.03
1931	----	----	----	----	.26	2.17	1.60	.46	1.71	.23	----	----	6.43
1932	----	----	----	1.61	3.40	4.72	2.15	1.80	1.21	.08	----	----	14.97
1933	----	----	TR	.12	1.64	1.12	.52	2.74	.20	.02	.02	----	6.38
1934	----	----	TR	.56	.56	4.02	2.22	1.38	1.01	.56	TR	TR	10.31
1935	----	----	----	----	2.10	3.69	1.92	1.92	.38	.20	TR	----	10.21
1936	----	----	----	TR	2.16	1.47	.13	1.51	1.06	.15	.01	TR	6.49
1937	----	----	----	.12	1.78	3.22	3.18	1.98	2.06	.56	TR	----	12.90
1938	----	----	.01	.02	3.28	2.38	3.06	1.87	.82	.97	----	----	12.41
1939	----	----	.01	.34	1.40	7.98	.67	.51	1.49	1.36	.03	.06	13.85
1940	----	----	.06	1.44	1.08	1.79	4.03	.20	2.93	1.01	TR	----	12.54
1941	----	----	.15	.15	2.53	3.18	1.13	3.13	1.67	.08	TR	TR	12.02
1942	TR	----	----	.10	2.27	3.71	4.91	2.14	1.81	.19	TR	TR	15.13
1943	----	TR	----	.26	1.65	2.74	1.20	2.00	.40	.28	TR	TR	8.53
1944	----	----	.09	.61	2.69	2.85	4.84	1.52	.68	.08	TR	.01	13.37
1945	----	----	----	.16	2.83	2.52	2.21	3.93	1.63	.36	.02	----	13.66
1946	----	----	.11	----	1.73	3.76	2.59	3.35	1.51	.66	.04	.04	13.79
1947	.01	TR	.29	.27	1.45	4.88	1.20	3.07	.91	.63	.21	TR	12.92
1948	.01	----	TR	.71	3.63	2.76	1.28	1.73	.40	.01	.22	----	10.75
1949	.16	----	.01	.01	.47	1.92	1.13	.65	.37	.39	TR	----	5.11
1950	----	----	----	.27	.53	1.87	5.26	3.05	.31	.60	.01	TR	11.90
1951	----	----	----	.30	1.75	3.40	5.09	6.52	.99	.75	.02	.05	19.87
1952	----	----	.01	.60	1.80	5.79	3.07	1.43	.81	.34	----	----	13.85
1953	.01	.08	----	1.50	1.67	5.88	2.59	2.16	1.08	.02	TR	----	14.99
1954	----	TR	TR	.05	2.28	3.33	.79	9.38	1.02	TR	TR	----	16.85
1955	----	----	----	TR	1.64	.59	2.78	.34	1.64	.06	----	----	7.05
1956	----	----	.02	.03	.85	5.14	1.52	3.12	.83	.01	TR	----	11.52
1957	----	----	.01	.33	.42	2.52	1.64	3.10	1.05	.12	.01	----	9.20
1958	TR	TR	TR	.47	.61	3.78	2.39	.68	2.24	.08	----	TR	10.25
1959	TR	.01	TR	.04	.41	4.59	2.30	2.59	.67	.21	.03	----	10.85
1960	----	----	.01	TR	2.04	3.39	1.68	1.64	.46	.23	TR	TR	9.45

CALGARY - ALBERTA

MONTHLY AND WINTER SNOWFALL 1885 - 1960 (*)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	6.5	7.1	7.3	4.4	.3						3.0	1.0	29.6
1886	1.8	2.6	6.5	9.0					TR	1.5	3.5	15.5	40.4
1887	9.2	1.9	3.5	2.2	.1					.9	9.9	7.7	35.4
1888	.8	16.6	9.0	4.0	3.8					8.9	4.1	2.3	49.5
1889	9.2	7.5	15.0	TR	6.0				4.5		1.2	13.7	57.1
1890	8.8	8.5	8.2	6.7	TR				6.2	1.7	.6	7.0	47.7
1891	2.0	5.0	TR	TR	TR				TR	1.5	2.0	4.6	15.1
1892	.3	.3	.7	2.0	.6					6.6	13.0	.9	24.4
1893	5.5	2.0	1.5	4.7					3.7	6.6	12.0	5.7	41.7
1894	4.1	.3	6.7	3.8	.3				.8	1.1	11.0	4.0	32.1
1895	9.6	5.7	7.0	.8	.6				9.0	.2	4.9	6.2	44.0
1896	9.0	19.4	11.3	2.8	.9				1.7	2.4	22.6	3.6	73.7
1897	5.3	4.6	2.6	.7						3.3	25.4	7.0	48.9
1898	TR	9.0	15.7	2.7					2.7	.4	3.0	4.0	37.5
1899	8.5	3.0	11.3	3.0	2.8					10.4	2.2	4.2	45.4
1900	2.5	4.0	4.0	5.8		TR		4.1	6.0	2.4	18.0	1.0	47.8
1901	4.0	10.2	11.5	9.0	TR	5.4			2.7		4.0	18.5	65.3
1902	1.0	6.0	6.2	6.0	27.6	TR				TR	3.9	6.0	56.7
1903	.5	5.0	10.0	2.6	31.9				4.0	TR	6.0	1.5	61.5
1904	1.5	1.5	8.6	.4	.2					13.3	2.0	3.1	30.6
1905	10.4	3.0	5.7	8.0	2.5	3.0				.8	11.4	TR	44.8
1906	.4	1.4	7.0	.4	8.2					.16	3.4	2.5	24.9
1907	4.0	2.0	7.6	17.8	.2				10.5		.8	1.0	43.9
1908	.8	2.9	3.7	6.4					5.6	2.3	.3	2.0	24.0
1909	5.8	3.6	6.8	11.4	17.5					4.6	2.1	4.4	56.2
1910	2.1	8.8	2.0	2.0	3.8	6.0		TR		1.0	3.4	1.7	30.8
1911	4.4	5.6	10.2	10.4	22.2				5.0	2.0	6.0	1.7	67.5
1912	6.0	.8	3.4	4.7	TR	TR			TR	3.5	6.8	TR	25.2
1913	12.8	5.6	5.0	2.0	TR					5.2	8.1	TR	38.7
1914	9.3	11.5	7.6	3.0						18.2	27.2	7.5	84.3
1915	4.0	2.2	.5						1.0		4.7	3.0	15.4
1916	7.9	6.1	6.8	3.2	2.2				TR	11.4	2.8	5.0	45.4
1917	3.4	5.0	1.6	7.8	.4					13.8	TR	14.8	46.8
1918	3.0	6.0	4.4		4.7		.1			.2	1.0	8.2	27.6
1919	3.4	11.2	5.5		4.8				.2	3.2	7.6	.4	36.3
1920	11.7	9.9	3.7	19.2	5.0					5.2	1.0	5.5	61.2
1921	8.9	6.0	19.3	10.0	2.0				9.3	.3	12.3	.5	68.6
1922	3.2	1.8	5.1	16.0						2.4	1.8	2.9	33.2
1923	3.0	5.9	22.5	7.5					1.2	TR	4.4	10.8	55.3
1924	8.4	11.0	24.0	11.9					1.0	6.0	14.0	22.4	98.7
1925	3.6	4.1	14.5	1.6					32.3	13.3	6.4	2.2	78.0

* - Entries are in inches of snow.

CALGARY - ALBERTA

MONTHLY AND WINTER SNOWFALL - (*)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	2.8	9.4	5.1	7.6	4.0	0.3	----	----	13.5	1.0	14.9	7.1	65.7
1927	1.4	7.0	8.5	.7	----	----	----	----	TR	----	18.4	12.9	48.9
1928	4.9	4.9	12.7	9.5	----	----	----	----	----	3.0	2.2	2.2	39.4
1929	4.8	5.5	5.4	14.2	4.0	----	----	----	----	7.8	15.5	10.0	67.2
1930	3.4	3.3	8.4	----	----	----	----	----	4.2	7.6	12.7	5.0	44.6
1931	.5	1.5	19.3	11.1	3.0	----	----	----	----	TR	3.2	15.5	54.1
1932	4.0	4.3	10.6	22.6	----	----	----	----	----	7.7	8.0	3.4	60.6
1933	4.2	4.0	2.0	21.0	4.4	----	----	----	TR	12.7	4.8	12.8	65.9
1934	2.2	2.4	14.2	.6	.4	----	----	----	12.2	----	2.6	2.6	37.2
1935	11.9	5.4	9.4	16.2	9.2	----	----	----	TR	16.3	3.2	4.4	76.0
1936	6.5	2.6	5.4	6.4	TR	----	----	----	.7	5.2	1.3	3.3	31.4
1937	16.9	2.2	16.6	13.3	.5	----	----	----	5.0	2.5	12.8	3.0	72.8
1938	1.5	6.9	7.8	7.3	1.6	2.0	----	----	----	TR	10.7	5.2	43.0
1939	3.1	6.3	16.3	7.5	.2	TR	----	----	.1	16.1	2.0	.7	52.3
1940	2.4	8.8	7.6	21.0	----	----	----	----	----	5.9	5.0	3.4	54.1
1941	4.6	4.1	6.2	1.4	8.4	----	----	----	5.4	.6	.2	2.9	33.8
1942	6.6	15.6	4.0	1.7	4.3	----	----	----	.1	4.8	14.2	2.9	54.2
1943	9.3	7.6	12.1	.2	7.0	.2	----	----	2.3	7.5	TR	.7	46.9
1944	2.2	9.5	9.4	1.8	TR	4.0	----	----	4.0	1.0	2.8	1.9	36.6
1945	7.2	12.1	14.9	13.8	4.5	----	----	----	13.8	6.2	16.6	10.5	99.6
1946	2.7	2.3	6.5	.6	4.1	----	----	.5	2.3	4.6	14.8	9.3	47.7
1947	6.2	15.5	9.4	5.3	TR	----	----	----	9.4	2.2	17.4	4.1	69.5
1948	6.9	16.5	12.5	17.0	10.9	----	----	----	TR	.2	2.2	5.0	71.2
1949	14.7	3.9	5.7	.5	1.0	----	----	----	2.4	9.4	TR	15.3	52.9
1950	5.3	5.8	15.4	6.7	3.0	----	TR	----	2.2	7.6	7.6	1.6	55.2
1951	9.0	13.2	8.4	10.5	3.1	18.4	----	----	9.5	16.6	2.6	14.8	106.1
1952	4.9	12.2	13.8	2.4	----	----	----	----	----	----	2.7	.3	36.3
1953	9.4	14.4	7.9	15.3	.7	----	----	----	----	TR	2.9	11.8	62.4
1954	17.4	9.9	14.9	15.4	----	----	----	----	1.0	1.8	1.3	.6	62.3
1955	2.2	11.6	11.2	25.0	10.5	----	----	----	7.6	1.2	3.6	15.0	87.9
1956	13.6	4.4	9.6	11.1	3.4	----	----	----	TR	8.2	4.8	8.4	63.5
1957	9.9	5.4	6.5	7.0	4.1	----	----	----	.1	18.6	9.4	2.1	63.1
1958	3.1	7.7	9.9	12.1	----	.4	----	----	.1	TR	6.8	2.5	42.6
1959	4.4	6.8	3.2	9.8	14.1	----	----	----	.4	1.7	14.4	5.5	60.3
1960	7.8	12.3	2.2	11.9	.4	----	----	----	TR	5.5	6.1	10.3	56.5

* - Entries are in inches of Snow.

CALGARY - ALBERTA

MONTHLY AND ANNUAL TOTAL PRECIPITATION 1885 - 1960
(Sum of the Rainfall and One-tenth of Snowfall)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885	.65	.96	.84	.49	.41	2.15	3.70	3.06	TR	TR	.30	.35	12.91
1886	.18	.28	1.03	1.16	1.72	3.30	.20	.00	.76	.79	.35	1.55	11.32
1887	.92	.19	.35	.22	.70	2.15	3.54	2.19	1.54	.13	.99	.77	13.69
1888	.08	1.76	.90	1.67	2.05	3.70	3.23	3.08	.23	1.01	.41	.23	17.35
1889	.92	.75	1.50	TR	2.04	.61	2.37	TR	1.84	.07	.12	1.37	11.59
1890	.88	.85	.82	.71	2.13	2.27	2.21	3.47	1.13	.24	.06	.70	15.47
1891	.20	.50	TR	.07	1.38	2.20	2.81	1.58	.77	.27	.20	.46	10.44
1892	.03	.03	.07	.60	.06	1.07	2.40	1.10	.50	.66	1.30	.09	7.91
1893	.55	.20	.15	.47	2.47	1.11	1.95	.88	.76	.74	1.20	.57	11.05
1894	.41	.03	.67	.96	4.05	1.10	.10	1.47	1.30	.11	.10	.40	11.70
1895	.96	.57	.70	.62	.34	1.97	4.97	1.18	2.53	.21	.49	.62	15.16
1896	.90	1.94	1.13	.64	1.94	1.22	1.84	1.66	1.46	.70	2.26	.36	16.05
1897	.53	.46	.26	.31	.18	6.13	5.54	2.13	1.04	.76	2.54	.70	20.58
1898	TR	.90	1.57	.29	2.05	3.21	3.87	2.17	.54	.28	.30	.40	15.58
1899	.85	.30	1.13	.40	5.44	3.52	2.11	9.40	.99	1.31	.26	.44	26.15
1900	.25	.40	.40	2.04	1.32	3.56	2.02	1.29	3.99	.40	1.80	.10	17.57
1901	.40	1.02	1.15	.90	1.91	7.00	3.90	.71	2.95	.12	.40	1.85	22.31
1902	.40	.60	.62	.60	8.90	8.82	5.06	6.40	1.57	.61	.39	.60	34.57
1903	.05	.50	1.00	.46	4.25	2.05	4.10	7.70	1.81	TR	.60	.25	22.77
1904	.15	.15	.86	.14	1.56	1.99	1.74	2.75	.69	1.35	.20	.31	11.89
1905	1.04	.30	.65	.80	2.06	6.01	.91	.69	.35	.31	1.20	TR	14.32
1906	.04	.14	.70	.37	6.96	2.35	1.15	3.00	.04	.90	.34	.25	16.24
1907	.40	.20	.76	1.79	1.04	3.76	.85	3.34	2.49	.15	.08	.10	14.96
1908	.08	.29	.55	.87	4.59	7.26	1.73	1.52	.58	.55	.03	.20	18.25
1909	.58	.36	.68	1.14	4.87	2.07	4.09	.59	.36	.64	.21	.44	16.03
1910	.21	.88	1.12	.30	1.08	1.54	.44	3.97	1.50	.48	.34	.17	12.03
1911	.44	.56	1.04	1.06	5.03	2.63	2.17	4.36	.89	.51	.61	.17	19.47
1912	.60	.08	.34	2.05	1.42	4.31	5.20	2.75	2.80	1.09	.68	TR	21.32
1913	1.28	.56	.50	.21	2.27	3.91	.61	5.19	.87	.66	.97	TR	17.03
1914	.93	1.15	.76	.60	.52	2.64	2.52	2.18	1.11	1.82	2.72	.75	17.70
1915	.40	.22	.06	.46	3.13	4.02	3.98	.78	2.33	2.17	.47	.30	18.32
1916	.79	.61	.76	.85	3.10	1.46	1.49	2.03	.84	1.20	.28	.50	13.91
1917	.34	.50	.16	.90	1.76	1.98	.47	1.52	.95	1.38	TR	1.48	11.44
1918	.30	.60	.44	.29	1.34	.26	1.35	2.54	.97	.11	.10	.82	9.12
1919	.34	1.12	.55	.50	.95	.29	1.64	3.80	1.35	.62	.78	.04	11.98
1920	1.17	.99	.37	2.14	.91	1.34	4.94	.09	.33	1.49	.10	.55	14.42
1921	.89	.60	1.93	2.16	.73	.99	2.07	1.61	1.07	.08	1.30	.05	13.48
1922	.32	.18	.51	1.61	.41	1.90	1.99	1.42	1.55	.24	.19	.29	10.61
1923	.30	.59	2.25	.98	5.38	7.73	3.36	1.21	.55	TR	.44	1.08	23.87
1924	.84	1.10	2.40	1.25	.89	5.00	2.51	4.46	1.26	.94	1.40	2.24	24.29
1925	.36	.41	1.45	1.13	.58	3.25	2.00	1.61	5.08	1.33	.64	.22	18.06

CALGARY - ALBERTA

MONTHLY AND ANNUAL TOTAL PRECIPITATION 1885 - 1960
(Sum of the Rainfall and One-tenth of Snowfall)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	.28	.94	.51	1.03	.47	4.58	1.17	3.22	9.16	.74	1.53	.71	24.35
1927	.14	.70	.85	.07	2.73	4.40	9.66	2.81	4.36	.99	1.84	1.29	29.84
1928	.49	.84	1.27	.95	.19	8.45	1.53	1.90	.04	.54	.22	.22	16.64
1929	.48	.55	.54	1.42	1.99	2.59	1.30	.67	1.02	1.36	1.55	1.00	14.47
1930	.34	.33	.84	2.99	1.19	2.26	1.47	1.07	1.37	.84	1.27	.52	14.49
1931	.05	.15	1.93	1.11	.56	2.17	1.60	.46	1.71	.23	.32	1.55	11.84
1932	.40	.43	1.06	3.87	3.40	4.72	2.15	1.80	1.21	.85	.80	.34	21.03
1933	.42	.40	.20	2.22	2.08	1.12	.52	2.74	.20	1.29	.50	1.28	12.97
1934	.22	.24	1.42	.62	.60	4.04	2.22	1.38	2.23	.46	.26	.26	14.03
1935	1.19	.54	.94	1.62	3.02	3.69	1.92	1.92	.38	1.83	.32	.44	17.81
1936	.65	.26	.54	.64	2.16	1.47	.13	1.51	1.13	.67	.14	.33	9.63
1937	1.69	.22	1.66	1.45	1.83	3.22	3.18	1.98	2.56	.81	1.28	.30	20.18
1938	.15	.69	.79	.75	3.44	2.58	3.06	1.87	.82	.97	1.07	.52	16.71
1939	.31	.63	1.64	1.09	1.42	7.98	.67	.51	1.50	2.97	.23	.13	19.08
1940	.24	.88	.82	3.54	1.08	1.79	4.03	.20	2.93	1.60	.50	.34	17.95
1941	.46	.41	.77	.29	3.37	3.18	1.13	3.13	2.21	.14	.02	.29	15.40
1942	.66	1.56	.40	.27	2.70	3.71	4.91	2.14	1.82	.67	1.42	.29	20.55
1943	.93	.76	1.21	.28	2.35	2.76	1.20	2.00	.63	1.03	TR	.07	13.22
1944	.22	.95	1.03	.79	2.69	3.25	4.84	1.52	1.08	.18	.28	.20	17.03
1945	.72	1.21	1.49	1.54	3.28	2.52	2.21	3.93	3.01	.98	1.68	1.05	23.62
1946	.27	.23	.76	.06	2.14	3.76	2.59	3.40	1.74	1.12	1.52	.97	18.56
1947	.63	1.55	1.23	.80	1.45	4.88	1.20	3.07	1.85	.85	1.95	.41	19.87
1948	.70	1.65	1.25	2.41	4.72	2.76	1.28	1.73	.40	.03	.44	.50	17.87
1949	1.63	.39	.58	.06	.57	1.92	1.13	.65	.61	1.33	TR	1.53	10.40
1950	.53	.58	1.54	.94	.83	1.87	5.26	3.05	.53	1.36	.77	.16	17.42
1951	.90	1.32	.84	2.35	2.06	5.24	5.09	6.52	1.94	2.41	.28	1.53	30.48
1952	.49	1.22	1.39	.84	1.80	5.79	3.07	1.43	.81	.34	.27	.03	17.48
1953	.95	1.52	.79	3.03	1.74	5.88	2.59	2.16	1.08	.02	.29	1.18	22.23
1954	1.74	.99	1.49	1.59	2.28	3.33	.79	9.38	1.12	.18	.13	.16	23.08
1955	.22	1.16	1.12	2.50	2.69	.59	2.78	.34	2.40	.18	.36	1.50	15.84
1956	1.36	.44	.98	1.14	1.19	5.14	1.52	3.12	.83	.83	.48	.84	17.87
1957	.99	.54	.66	1.03	.83	2.52	1.64	3.10	1.06	1.98	.95	.21	15.51
1958	.31	.77	.99	1.68	.61	3.82	2.39	.68	2.25	.08	.68	.25	14.51
1959	.44	.69	.32	1.02	1.82	4.59	2.30	2.59	.71	.38	1.47	.55	16.88
*1960	.78	1.23	.23	1.19	2.08	3.39	1.68	1.64	.46	.78	.50	.69	14.65
1961	.36	1.18	.22	1.49	1.68	.59	6.05	1.05	.87	1.63	.15	.49	18.56
													16.87

* - Beginning November 1st, 1960, total precipitation is computed by adding rainfall in inches to the water-equivalent of the snowfall (obtained by melting).

CALGARY - ALBERTA

MONTHLY AND ANNUAL AVERAGE WIND SPEED
1933 To 1960

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1933	8.1	10.3	8.2	9.7	8.8	8.4	9.0	8.8	8.7	8.4	9.8	9.2	8.9
1934	10.6	8.3	10.1	10.5	10.0	10.2	8.2	8.2	9.1	9.0	6.7	9.2	9.2
1935	9.2	8.5	9.9	10.1	10.3	9.9	7.8	8.4	8.8	9.7	8.5	9.0	9.2
1936	6.9	6.6	10.7	10.6	9.9	9.3	8.9	8.4	8.1	9.3	9.5	9.1	8.9
1937	9.8	8.6	8.8	9.5	11.4	10.3	8.6	8.3	8.2	8.5	7.1	9.9	9.1
1938	9.3	6.7	10.8	9.2	9.9	8.2	8.0	8.3	7.8	8.2	9.1	9.7	8.8
1939	8.7	8.0	7.3	10.8	9.9	8.7	8.0	8.3	11.6	12.9	11.5	13.0	9.9
1940	9.3	9.3	10.3	12.2	11.9	12.3	9.8	9.8	8.2	8.8	8.5	7.9	9.9
1941	8.4	9.8	9.2	12.5	11.1	10.4	7.7	8.7	10.0	9.7	11.9	9.2	9.9
1942	10.4	6.8	10.7	11.7	9.4	10.3	8.3	7.7	8.1	10.5	8.8	8.2	9.2
1943	9.7	11.3	10.3	11.3	9.6	11.0	9.3	9.2	10.1	8.8	9.3	11.8	10.1
1944	9.8	10.5	10.6	9.4	10.8	12.3	11.5	9.5	10.7	8.8	8.3	9.8	10.2
1945	8.3	11.9	11.4	11.6	11.2	10.4	9.2	9.6	12.6	8.9	8.8	8.6	10.2
1946	13.1	11.6	11.3	13.5	11.6	8.9	9.5	10.4	9.9	13.0	9.7	12.6	11.3
1947	15.3	10.1	10.9	11.8	12.8	9.2	10.1	10.2	12.4	10.7	9.0	9.3	11.0
1948	12.2	12.6	10.6	11.0	11.9	8.9	10.7	8.7	9.4	9.2	11.4	8.2	10.4
1949	7.9	7.5	6.9	11.2	11.9	12.9	10.7	9.5	11.2	12.5	10.8	9.9	10.2
1950	7.1	8.8	7.6	12.0	12.7	10.1	8.6	8.2	9.5	9.6	9.8	9.1	9.4
1951	11.5	9.9	10.7	13.6	13.6	11.3	9.8	8.9	9.3	8.8	9.1	11.1	10.6
1952	12.0	8.2	8.3	10.9	10.6	11.1	9.0	8.0	9.6	8.1	9.5	7.6	9.4
1953	9.3	10.6	9.8	9.4	10.4	9.3	9.0	8.5	9.1	10.1	9.5	11.2	9.7
1954	9.1	13.3	9.4	11.0	10.6	11.7	8.6	7.8	9.3	10.3	10.3	12.6	10.3
1955	8.9	10.4	11.2	10.6	11.4	10.1	8.5	7.8	9.2	10.6	8.8	7.3	9.6
1956	7.3	10.2	12.2	11.5	12.0	13.7	10.2	8.9	10.3	11.7	10.7	13.7	11.0
1957	10.2	11.2	11.0	11.6	11.8	10.3	10.4	8.6	10.1	10.3	11.8	11.3	10.7
1958	8.7	8.4	8.1	11.1	11.7	10.5	9.0	9.2	12.4	11.1	10.7	10.8	10.1
1959	9.4	9.5	11.5	13.3	12.3	11.7	10.6	9.6	11.1	13.2	12.1	11.9	11.4
1960	10.0	10.2	9.9	12.0	12.1	12.3	9.5	10.8	10.0	11.0	9.8	8.6	10.5

CALGARY - ALBERTA

MONTHLY AND ANNUAL TOTAL HOURS OF BRIGHT SUNSHINE
1923 - 1960

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total
1923	86.3	119.8	157.8	117.2	203.8	199.1	164.5	270.0	195.3	237.2	156.7	135.2	2042.9
1924	118.0	185.5	153.9	244.5	259.4	212.3	282.3	197.0	187.4	176.6	117.2	70.0	2204.1
1925	110.8	103.8	151.1	173.6	333.0	270.0	319.0	258.4	142.6	129.0	105.0	96.0	2192.3
1926	107.0	136.0	155.0	195.0	212.0	258.0	304.0	197.3	160.0	181.0	103.0	121.0	2129.3
1927	118.0	146.0	200.0	227.0	169.0	225.0	285.0	228.8	176.0	174.0	115.0	99.0	2162.8
1928	124.0	63.0	181.0	191.0	327.0	204.0	320.0	268.0	236.0	160.0	169.0	133.0	2376.0
1929	83.8	166.7	186.7	176.7	257.2	293.4	432.2	256.4	158.9	196.5	138.3	96.4	2383.2
1930	121.0	134.0	177.0	217.0	214.0	238.0	352.0	260.0	170.0	172.0	118.0	171.0	2344.0
1931	187.9	MSG	MSG	MSG	211.0	258.0	321.0	271.0	165.0	185.0	114.0	77.0	-----
1932	107.0	114.0	129.4	155.5	245.0	260.3	306.6	270.2	229.1	117.0	99.5	94.4	2128.0
1933	108.0	115.0	169.0	191.0	240.0	319.0	360.0	295.0	210.0	137.0	117.0	49.0	2310.0
1934	107.0	165.0	146.0	270.0	271.0	245.0	333.0	297.0	236.0	148.0	81.0	88.0	2287.0
1935	122.0	162.0	176.0	191.0	246.0	220.0	313.0	273.0	217.0	156.0	111.0	101.0	2288.0
1936	66.4	128.6	145.0	181.8	268.5	286.1	390.1	275.1	167.3	155.2	153.9	106.6	2324.6
1937	83.2	107.5	116.4	221.0	285.9	254.5	303.1	292.7	106.4	145.9	91.3	94.6	2102.5
1938	113.7	139.2	163.4	201.2	232.5	251.4	295.0	285.9	270.4	192.4	86.3	91.2	2322.6
1939	MSG	81.6	153.8	228.4	289.8	180.7	352.5	308.5	146.6	139.4	135.2	89.6	-----
1940	96.0	65.5	84.4	116.0	252.3	300.7	270.0	325.0	185.0	141.0	87.0	98.0	2018.9
1941	73.0	151.0	170.0	274.0	200.6	282.7	337.0	225.0	151.0	167.4	137.6	124.5	2294.0
1942	118.3	97.8	142.3	165.8	164.7	177.8	265.2	226.6	168.0	136.0	78.4	61.4	1772.3
1943	102.0	147.2	147.2	219.0	208.4	177.0	324.4	299.0	237.6	152.3	157.8	124.5	2266.3
1944	140.6	99.4	149.2	189.3	232.7	223.3	295.6	273.2	171.5	224.2	109.6	127.6	2036.2
1945	96.7	126.6	146.2	182.8	219.1	200.1	334.8	302.7	154.1	170.7	67.4	67.4	2084.3
1946	89.0	126.0	166.6	237.5	247.0	220.6	353.5	282.3	171.5	165.2	102.9	98.0	2259.0
1947	92.9	131.9	146.0	205.7	257.7	198.1	374.4	222.6	165.8	146.7	84.9	75.6	2102.3
1948	120.2	115.5	157.8	143.8	223.9	247.6	331.4	268.1	199.5	196.2	101.5	88.0	2193.5
1949	126.6	109.7	156.7	172.6	221.1	262.6	281.0	309.8	228.7	126.6	158.1	71.8	2225.4
1950	68.6	125.1	119.2	151.0	236.3	244.6	275.9	261.8	217.0	115.2	93.9	76.1	1984.7
1951	103.2	88.8	141.7	191.6	236.8	178.5	289.2	197.3	157.5	138.7	82.7	79.8	1885.8
1952	94.0	143.4	174.2	218.7	263.3	227.5	277.3	269.8	182.4	207.5	113.2	99.6	2270.9
1953	55.4	111.1	156.7	132.2	185.8	182.6	317.1	290.6	198.2	189.9	105.0	91.0	2015.6
1954	76.1	103.8	117.7	128.3	208.0	197.1	327.0	198.1	172.9	190.5	116.0	120.6	1956.1
1955	107.0	77.8	148.3	163.9	206.1	323.0	231.3	348.7	181.5	159.3	110.4	81.0	2138.3
1956	80.3	117.8	163.9	182.1	293.3	234.8	285.0	276.4	162.9	151.9	142.6	72.3	2163.3
1957	97.7	131.2	133.5	159.6	260.1	197.5	345.5	213.7	162.9	137.9	118.8	103.8	2062.2
1958	83.6	70.2	100.5	147.4	297.7	224.2	290.9	298.3	193.1	203.2	124.2	79.9	2113.2
1959	89.4	156.4	148.9	226.7	237.8	236.5	370.6	252.4	145.7	128.0	121.2	103.6	2217.2
1960	128.7	125.3	163.6	217.5	247.0	269.4	370.0	270.9	217.8	150.5	118.0	130.2	2408.9

